



# recycling machines



FOR SCRAP CABLE



FOR WASTE PLASTIC



FOR METAL SCRAP



OTHER



# Watch how MACHTEK Recycling Machines do their job on our exclusive Movie Clips!



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Autor: **Machtek Polska** • Aktywność: 2 tygodnie temu • 21 filmów  
Pokazujemy filmy z pracy maszyn oferowanych przez naszą firmę. Sprzedajemy maszyny dla małych, średnich i dużych firm.

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#### Odizolowywacz Kabli MACHTEK Reco-40 maszyna recyklingu kabli

Autor: **Machtek Polska** • 1 rok temu • 7 917 wyświetleń  
Odizolowywacz Kabli MACHTEK RECO-40 to 9-ścieżkowa ręczna maszyna odizolowująca do kabli - tania i wszechstronna.

HD



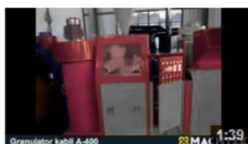
#### Granulator Kabli MACHTEK B-200 : recykling miedzi do 200 kg na godzinę

Autor: **Machtek Polska** • 5 miesięcy temu • 360 wyświetleń  
Maszyna do przemysłowego recyklingu kabli. Wydajność mierzona w tonach codziennie odzyskanej miedzi. Czytaj dalej na ...



#### Hydrauliczne Nożyce do Kabli MACHTEK Serii N

Autor: **Machtek Polska** • 5 miesięcy temu • 250 wyświetleń  
Dowiedz się więcej o mobilnych nożycach do cięcia kabli do 200mm średnicy oraz innych maszynach do recyklingu na ...



#### Granulator kabli MACHTEK A-400

Autor: **Machtek Polska** • 1 rok temu • 1 052 wyświetlenia  
Maszyna do przemysłowego recyklingu kabli o średnicy poniżej 25 mm, wydajność mierzona w tonach codziennie odzyskanej ...

HD



#### Kabelschälmaschine MACHTEK M-800 : Recykling : Kupfer und Aluminium von Alte Kabeln

Autor: **Machtek Polska** • 6 miesięcy temu • 291 wyświetleń  
Wir bieten Ihnen geprüfte Kabelschälmaschinen und mehr Recyclingmaschinen für Kabeln, Kunststoff (Plastik) und Schrott.

HD



#### Odizolowywacz Kabli MACHTEK M-508 elektryczna kompaktowa maszyna recyklingu kabli

Autor: **Machtek Polska** • 1 rok temu • 2 000 wyświetleń

Visit [www.machtek.co.uk](http://www.machtek.co.uk)

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## Cable Recycling Machines

### We sell reliable, effective and efficient scrap cable recycling machines.

They recycle cheap cable scrap (insulated copper and aluminium cables) into precious raw materials - copper and aluminium.

We have all kinds of machines for all kinds of recycling companies - small, medium or big.

We sell only machines which proved their worth in practice. We perfectly understand that you expect only the best, the lowest prices. With that in mind, we always sell machines with the best cost-to-benefit ratio, which lets you make the most of your investment.

#### Categories of MACHTEK Recycling Machines:

#### Industrial Cable Strippers



#### Compact Cable Strippers



#### Manual Cable Strippers



and:

#### Cable Granulators

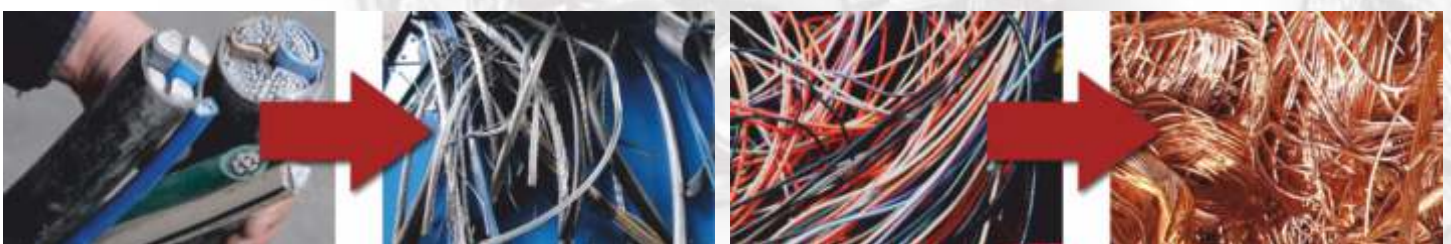
#### Hydraulic Cable Strippers



## MACHTEK Cable Strippers - Operating principle



Cable strippers are machines - their job is to separate the wire from the insulation by cutting it. Cable strippers can be run manually or be powered by electricity. Electric cable strippers have different performance.



## Cable Strippers MACHTEK

### MACHTEK M-800 Cable Stripper

The most flexible and effective 9 track cable stripping machine.

#### Technical data:

- Engine Power: 3 kW/ 380 V
- Number of Tracks: 9 (8+1)
- Number of Blades: 16 disc blades, 2 rigid blades
- Working Space: 2 mm - 95 mm
- Cutting Depth: up to 30 mm
- Cutting Speed: 33m/min
- Weight: 405 kg
- Size: width 1080 x length 750 x height 1200mm



cables forcibly carried



#### Technical features:

- a cable stripping machine with 9 tracks ensures high efficiency,
- 8 tracks with cutting range 2-5 mm and cutting depth up to 8 mm, which allows to cut cables from both sides,
- additional separate track with cutting range 50-95 mm and cutting depth up to 30 mm allows to recycle very big cables,
- 16 disc blades made of hardened tool steel,
- blades on both top and bottom rolls,
- continuous adjustment of cutting depth for all blades,
- durable feeding rolls made of steel,
- powerful chain drive,
- reliable and elegant structure, welded and powder coated. You can replace rigid blades with disc blades (we sell blades in a wide range of diameters).



## M-800 Cable Stripper:

- long and continuous work - M-800 is a reliable and powerful cable stripper,
- flexibility - works with up to 80% cables thanks to its working space 2-95 mm.
- effective and error-free work - cables are force guided and cut from both sides,
- high capacity - strips up to 33 m of cable per minute,
- user-friendly operation:
  - automatic bearing maintenance,
  - fast adjustment of roll pressure in a continuous way,
  - you can replace single feeding rolls or blade rolls,
- safety confirmed with CE certification.

**Works with 80% of available cable diameters.**

**A solution which gets even the hardest job done.**



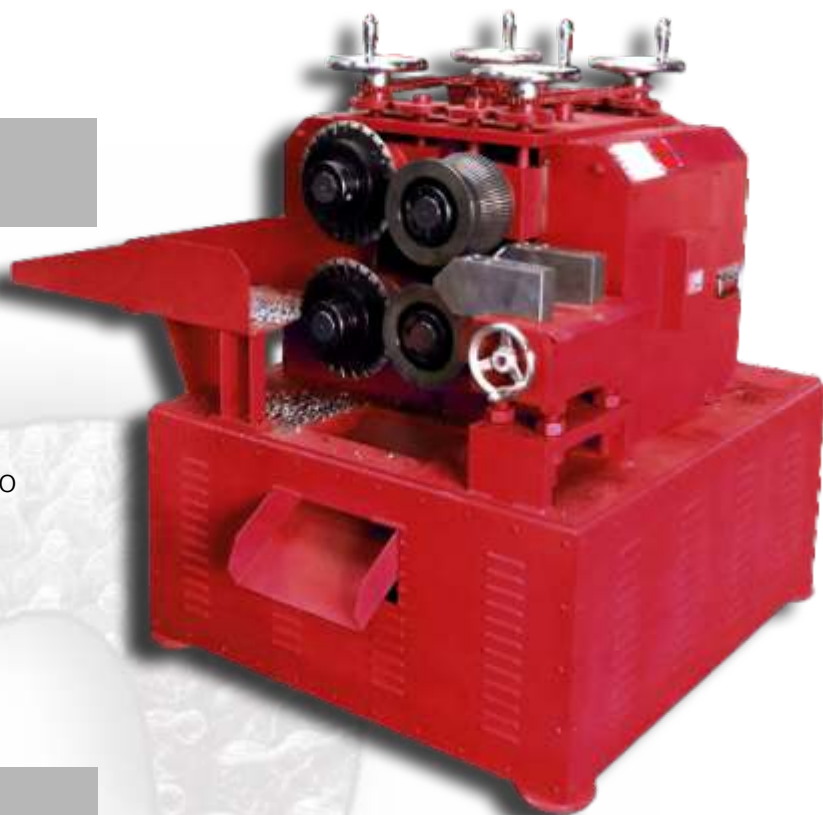
## Cable Strippers MACHTEK

### **MACHTEK M-200 Cable Stripper**

Used to cut through underground power cables with very big diameters.

#### **Technical data:**

- Motor Power: 30 hP
- Max cable diameter: 200 mm
- Cutting Depth: 60 mm
- Cutting Speed for 1mt long: 3 sec
- Weight: 3000 kg
- Size: width 1230 x length 1350 x height 1460
- safety confirmed by CE certification.



#### **Technical features:**

##### **High power and bigger blades.**

Underground power cables contain a lot of copper or aluminium. However, they also have thick, hard insulation and large diameters. To recover copper and aluminium from such cables you need machines with high power and bigger blades which can reach deeper.

##### **Time- and work-effective.**

M-200, M-180, M-150 Cable Stripper is designed to have high power and cut underground power cables without effort or breaks for extra maintenance.

##### **Higher efficiency**

Stripping underground power cables or other very thick cables can be very profitable, but consumes a lot of time and work.

MACHTEK-200, M-180, M-150 Cable Stripper solve any such problems, increase effectiveness and profits from processing large-diameter cables.

MACHTEK M-200, M-180, M-150 Cable Stripper have very durable blades, high stripping capacity and reliability verified in actual operations - they are the best solutions for underground power cables.



## MACHTEK M-180 and M-150 Cable Strippers

Used to cut through underground power cables with very big diameters.



### M-150 technical data:

- Electric Power: 15 kW
- Nominal Power: 20 KM
- Number of Tracks: 1
- Number of Blades: 2 disc blades
- Max. Size of Cut Cable: 150 mm
- Cutting Depth: up to 43 mm
- Cutting Speed: 20 m/min
- Weight: 1460 kg
- Size: width 1200 x length 1000 x height 1600 mm



### M-180 technical data:

- Electric Power: 22.5 kW
- Nominal Power: 30 KM
- Number of Tracks: 1
- Number of Blades: 2 disc blades
- Max. Size of Cut Cable: 180 mm
- Cutting Depth: up to 60 mm
- Cutting Speed: 20 m/min.
- Weight: 2760 kg
- Size: width 1700 x length 1700 x height 1800 mm



They easily remove even the thickest plastic insulation and additional protection made of steel or non-ferrous metals

## Cable Strippers MACHTEK

### MACHTEK M-100 Cable Stripper

This machine comes equipped with three different stripping mechanisms, range from 2 to 100+ mm and crushing rolls to streamline the work. Fast and effective stripping thanks to crushing rolls.

#### Technical data:

- Power Supply: 2.2 kW / 220 or 380 V
- Power: 3 KM
- Number of Tracks: 8 (1+6+1)
- Number of Blades: 2 disc blades, 6 groove blades, 2 fix blades
- Working Space: 2 mm - 100 mm
- Cutting Depth: up to 30 mm
- Cutting Speed: 33 m/min
- Weight: 450 g
- Size:  
width 850 x length 900 x height 1200mm



**M-100 strips insulation from ICT and multi-strand cables with diameters more than 100 mm.**

#### Technical features:

- Numerous applications thanks to eight separate tracks 6 tracks with groove blades for cables with diameters 2 - 13 mm
- 1 track with two disc blades for cables with diameters 3 - 100 mm, with vertical regulation of blade alignment and horizontal regulation of cable feeders. Cables are cut and crushed, which allows to separate insulation automatically
- 1 track with two fixed blades to cut through ICT and multi-strand cables with very tough insulation and diameters even more than 100 mm (horizontally in M-100A or vertically in M-100B).



## MACHTEK M-90 Cable Stripper

6 track cable stripping machine - the most efficient, highly flexible solution.



### Technical data:

- Engine Power: 3 kW/ 380 V
- Number of Tracks: 6
- Number of Blades: 10 rigid blades, 2 disc blades
- Working Space: 10 mm - 90 mm
- Cutting Depth: up to 30 mm
- Cutting Speed: 40 m/min
- Weight: 220 kg
- Size: width 900 x length 820 x height 1300 mm

### M-90 Cable Stripper:

- high reliability
- highest capacity - strips up to 40 m of cable per minute,
- flexibility - works with 60% of cables
- effective and error-free work - cables are force guided and cut from both sides,
- user-friendly operation:
- automatic bearing maintenance,
- fast adjustment of roll pressure in a continuous way,
- you can replace single feeding rolls or blade rolls,
- safety confirmed with CE certification.

### Technical features:

- 5 tracks for cables 10-40 mm (at one feed) with 10 rigid blades made of hardened tool steel,
- additional separate track for cables 40-90 mm with 2 disc blades (top roll and bottom roll blades),
- smooth adjustment of cutting depth for all blades,
- durable feeding rolls made of steel,
- reliable and elegant structure, welded and powder coated,

## Cable Strippers MACHTEK

### **MACHTEK W-100 Cable Stripper**

Extremely durable and reliable 4 track cable stripping machine.

This machine can remove even hard aluminium coating

#### **Technical data:**

- Engine Power: 3 kW/380 V
- Number of Tracks: 4
- Number of Blades: 8 rigid blades
- Working Space: 10 - 35 mm
- Cutting Speed: 20 m/min
- Cutting Depth: 20 mm
- Weight: 200 kg
- Size: width 780 x length 650 x height 1150 mm

#### **W-100 Cable Stripper:**

- high reliability,
- great power and unique structure which allows to remove even hard aluminium coating
- effective and error-free work - cables are force guided and cut from both sides,
- user-friendly operation,
  - automatic bearing maintenance,
  - fast adjustment of roll pressure in a continuous way,
  - you can replace single feeding rolls or rigid blades,
- safety confirmed with CE certification.

#### **Technical features:**

- a cable stripping machine with 4 tracks ensures high efficiency,
- each track comes with 2 extremely powerful rigid steel blades, parallel to each other, with cutting depth up to 20 mm,
- smooth adjustment of cutting depth for all blades,
- durable feeding rolls made of steel,
- reliable and elegant structure, welded and powder coated.





## MACHTEK M-508 Cable Stripper

9 track cable stripping machine - the most cost-effective and compact solution.

Flexible solution for small and medium diameters.



### Technical data:

- Engine Power: 1.5 kW/230 V
- Number of Tracks: 9
- Number of Blades: 13
- Working Space: 1.5 mm - 50 mm
- Cutting Depth: up to 10 mm
- Cutting Speed: 20 m/min
- Weight: 78 kg
- Size: width 600 x length 370 x height 520 mm

### M-508 Cable Stripper:

- a cost-effective and compact solution,
- flexibility - works with more than a half of cables thanks to its working space from 1.5 to 50 mm.
- effective and error-free work - cables are force guided and cut free (for diameters bigger than 15 mm);
- good capacity - strips up to 20 m of cable per minute,
- user-friendly operation:
  - automatic bearing maintenance,
  - fast adjustment of roll pressure in a continuous way,
  - you can replace single feeding rolls or blade rolls,
- safety confirmed with CE certification.



### Technical features:

- a cable stripping machine with 9 tracks ensures high efficiency,
- 13 disc blades made of hardened tool steel,
- 5 tracks with single blades for cables with diameter up to 15 mm (top roll blades)
- 4 tracks with double blades for cables with diameter bigger than 15 mm (top roll and bottom roll blades)
- smooth adjustment of cutting depth for all blades,
- our durable feeding rolls made of steel.

## Cable Strippers MACHTEK

### MACHTEK M-601 Cable Stripper

1 track cable stripping machine - a compact solution for special purposes.

#### Technical data:

- Engine Power: 1.5 kW/230 V
- Number of Tracks: 1
- Number of Blades: 1
- Working Space: 1.5 mm - 50 mm
- Cutting Depth: up to 18 mm
- Cutting Speed: 20 m/min
- Weight: 58 kg
- Size: width 600 x length 370 x height 520 mm

#### M-601 Cable Stripper:

- a cost-effective and compact solution,
- flexibility - works with more than a half of cables thanks to its working space from 1.5 to 50 mm.
- great cutting depth - up to 18 mm, which allows to strip thick power cables
- good capacity - strips up to 20 m of cable per minute,
- user-friendly operation:
  - automatic bearing maintenance,
  - fast adjustment of roll pressure in a continuous way,
  - you can replace single feeding rolls or the blade,
- safety confirmed with CE certification.

**Great cutting depth for cables with thick coating.**

#### Technical features:

- a cable stripping machine with 1 track ensures easy operation,
- 1 disc blade made of hardened tool steel on the top roll
- simple and reliable structure,
- smooth adjustment of cutting depth for all blades,
- durable feeding rolls made of steel.





## MACHTEK M-50 Cable Stripper

14 track cable stripping machine.



### Technical data:

- Engine Power: 2.2 kW/230 V
- Number of Tracks: 17
- Working Space: 1 mm - 55 mm
- Cutting Speed: 35 m/min
- Weight: 130 kg
- Size: width 735 x length 625 x height 910 mm

### M-50 Cable Stripper:

- a cost-effective and compact solution,
- flexibility - works with more than a half of cables thanks to its working space from 1 to 55 mm,
- effective and error-free work - cables are force guided and cut from both sides (for diameters bigger than 15 mm),
- very good capacity - strips up to 35 m of cable per minute,
- user-friendly operation:
  - automatic bearing maintenance,
  - fast adjustment of roll pressure in a continuous way,
  - you can replace single feeding rolls or blade rolls,
- safety confirmed with CE certification.

### Technical features:

- a cable stripping machine with 14 tracks ensures high efficiency,
- 13 disc blades made of hardened tool steel,
- 10 tracks for oval cables, 7 tracks for square cables,
- 4 tracks with double blades for cables with diameter bigger than 15 mm (top roll and bottom roll blades),
- thinner cables are cut and crushed what helps taking of the insulation,
- smooth adjustment of cutting depth for all blades.

## Cable Strippers MACHTEK

### MACHTEK Reco-40 Cable Stripper

9 tracks cable stripping machine - a cheap and flexible solution.

Forced guidance makes your work easier and faster.

#### Technical data:

- Drive: manual
- Number of Tracks: 9
- Number of Blades: 9
- Working Space: 1 mm - 40 mm
- Cutting Depth: up to 10 mm
- Weight: 27 kg
- Size: width 150 x length 300 x height 470 mm



#### Reco-40 Cable Stripper:

- high reliability at low cost,
- perfect solution if you do not want to invest in electric strippers,
- flexibility - works with more than a half of cables,
- may strip cables as thin as 1mm,
- precise and steady work - cables are force guided and cut from one side,
- user-friendly operation:
  - automatic bearing maintenance,
  - fast adjustment of roll pressure in a continuous way,
  - you can replace single feeding rolls or blade rolls,
- safety confirmed with CE certification.



#### Technical features:

- a cable stripping machine with 9 tracks ensures high efficiency,
- 9 disc blade made of hardened tool steel on the top roll,
- two top switches ensure proper pressure,
- durable feeding rolls made of steel,
- 'crush' feature for better stripping.



## MACHTEK Reco-35 Cable Stripper

7 tracks cable stripping machine.



### Technical data:

- Drive: manual
- Number of Tracks: 7
- Number of Blades: 7
- Working Space: 1 mm - 40 mm
- Cutting Depth: up to 10 mm
- Weight: 20 kg
- Size: width 170 x length 310 x height 500 mm

### Reco-35 Cable Stripper:

- high reliability at low cost,
- perfect solution if you do not want to invest in electric strippers
- flexibility - works with more than a half of cables,
- may strip cables as thin as 1 mm
- precise and steady work - cables are force guided and cut from one side,
- user-friendly operation:
  - automatic bearing maintenance,
  - fast adjustment of roll pressure in a continuous way,
  - you can replace single feeding rolls or blade rolls,
- safety confirmed with CE certification.



### Technical features:

- a cable stripping machine with 7 tracks ensures high efficiency,
- 7 disc blade made of hardened tool steel on the top roll,
- two top switches ensure proper pressure,
- durable feeding rolls made of steel,
- smallest multi-track stripper on the market.

## Cable Strippers MACHTEK

### **MACHTEK Reco-30 Cable Stripper**

1 track cable stripping machine.

You can power this machine with a simple drill.

#### Technical data:

- Drive: manual/drill
- Number of Tracks: 1
- Number of Blades: 1
- Working Space: 5 mm - 30 mm
- Cutting Depth: up to 10 mm
- Weight: 20 kg
- Size: width 320 x length 210 x height 320mm

#### Reco-30 Cable Stripper:

- simple use at low cost,
- perfect solution if you do not want to invest in electric strippers too much,
- user-friendly operation,
  - automatic bearing maintenance,
  - fast adjustment of roll pressure in a continuous way,
  - you can replace single feeding rolls or blade rolls,
- safety confirmed with CE certification.

#### Operating principle:

The lower roller is driven manually using the knob.

The upper shaft is a disk knife. The cable is positioned between the two rollers, and then the cable drawn through the rollers with simultaneous his cut.

#### Technical features:

- simple cable stripper with 1 track
- 1 disc blade made of hardened tool steel on the top roll
- feeding rolls made of steel,
- additional handle allows to connect a standard drill.





## Cable Granulators B Series - Operating principle



cheap cable scrap



Cable Granulator



valuable copper



and aluminum

Put cables in the granulator chamber. Cables may be bundled, twisted, they can include elements other than insulation. They get ground into a mix of copper granules and insulation shards. Once they get down to proper size, both come through the sieve (various sieves can be installed) and drop on the water separation table. Oscillation motion of the table and precise jets of water move the mix of copper granules and insulation shard - plastics fall down, copper goes up. Thus, copper and plastics are separated.

The product you achieve is pure copper granulate and plastics granulate.

Due to the separation method used, both materials are wet and need to be dried before any further use.

## Cable Granulators MACHTEK B Series

### Cable Granulator MACHTEK B-200

Machine for the recovery of copper from cables with a simple, reliable, construction and high efficiency, up to 200 kg copper granules per hour.

#### Technical data:

- Nominal Power: 20 KM
- Electric Power: 15 kW
- Output Capacity (Amount of Copper Granulate): 120-160 kg/h
- Size: width 2600 x length 3300 x height 1750mm
- Processed material: scrap wire

#### Cable Granulator B-200:

MACHTEK B-200 Cable Granulator with Water Separator has an innovative, compact structure. It consists of a cable granulator (mill, grinder) installed on a water separator. Thanks to this solution, it does not need a conveyor belt, uses less space and consumes less power.



Granulator B-200 retrieves up to 99.9% of copper from cables.

#### Technical features:

##### High capacity

Up to 1600 kg of processed scrap wire during a 8-hour work day.

##### Compact structure

The granulator is mounted on a separator and saves space, power and money.

##### Efficiency

Water is used in close circuit.

##### Fit for various needs

It is possible to install 3 various engines with increasing power and capacity of this granulator.

##### Reliability

the structure is durable and innovative, warranty and post-warranty service provided.



## Cable Granulators MACHTEK B-1000

An industrial machine to recover copper with maximum capacity up to 800 kg of copper granulate per hour.

### Technical data:

	B-1000A Granulator	B-1000B Granulator	B-1000C Granulator
<b>Nominal Power</b>	50 HP	75 HP	100 HP
<b>Electric Power</b>	37,5 kW	56,25 kW	75 kW
<b>Output Capacity (Amount of Copper Granulate)</b>	450 - 500 kg/h	500 - 550 kg/h	600 - 800 kg/h
<b>Size (width x length x height)</b>	2800 x 7800 x 2600 mm	3000 x 8000 x 2800 mm	5000 x 1000 x 4000 mm
<b>Processed material</b>	scrap wire, radiators	scrap wire, radiators	scrap wire, radiators



Tons of recovered copper per day.

### Technical features:

#### Very high capacity

Up to 6MT of processed scrap wire during a 8-hour work day.

#### Innovative structure

The granulator is mounted on a separator and saves space, power and money efficient and environmental friendly. Water for separation is used in close circuit.

#### Fit for various needs

It is possible to install 3 various engines with increasing power and capacity of this granulator

#### Reliability

the structure is durable and innovative, warranty and post-warranty service provided.

## Machines for Granulators MACHTEK

### **MACHTEK BO-25 Copper Granulate Drier**

A machine for drying copper granulate produced by copper granulators with a water separator such as MACHTEK B-200 or B-1000.

#### Technical data:

- Voltage: 220/380 V
- Power: 15 - 20 kW
- Size: width 2200 x length 1850 x height 1250 mm
- Weight: 770 kg



When dried, copper granulate maintains high quality in storage (it does not get tarnished) and sells at better prices at merchants

BO-25 Copper Granulate Drier MACHTEK consists of an intake pipe, a drying chamber installed on a vibration mechanism, a vibration engine, a control box, a hot air blower and an exhaust pipe.

### **MACHTEK BP-50 Magnetic Transporter**

A machine for magnetic separation of ferrous contamination from copper granulate.

#### Technical data:

- Power Supply: 220/380 V
- Electric Power: 0.4 kW
- Nominal Power: 0.5 KM
- Size: width 1200 x length 400 x height 1000 mm



Designed to be used together with BP-25 Copper Granulate Drier.

BP-50 Magnetic Transporter MACHTEK consists of a permanent magnet, a transporter belt and an electric engine. Mounted on a custom rack, it is designed to be used with BP-25 Copper Granulate Drier.



## MACHTEK BG-75 Cable Hydraulic Guillotine

A machine for pre-cutting bundled cables into smaller packs before granulation.



### Technical data:

- Power Supply: 220/80 V
- Electric Power: 3.75 kW
- Nominal Power: 5 - 7.5 KM
- Size (length x width x height): 700 x 450 x 2000 mm

**BG-75 Cable Guillotine MACHTEK vastly improves the capacity of cable granulators - this solution is much cheaper than a pre-granulator.**

MACHTEK BG-75 Cable Guillotine consists of an electric engine, a pump, a feed pipe, a hydraulic cylinder with a guillotine blade. It can be equipped with a track feeder for cut cables customized for MACHTEK B-200 Cable Granulator.

**More information about operating principle and application of Cable Guillotines can be found on our website [www.machtek.pl](http://www.machtek.pl)**

Example of use BO-25 Copper Granulate Drier with MACHTEK B-1000 Machine.



## Hydraulic Cable Cutters

### Hydraulic Shears for Cable MACHTEK N Series

Designed for cutting cables to 200 mm in diameter.

It can be used for cutting pipes, aluminum profiles and other elements of non-ferrous metals.

#### Technical data:

	N-11	N-22	N-33	N-44
<b>Engine power</b>	1,5 kW / 2 HP	1,5 kW / 2 HP	1,5 kW / 2 HP	5-7,5 HP
<b>Voltage</b>	220/380 V	220/380 V	220 / 380 V	220 / 380 V
<b>Hydraulic pump pressure</b>	240 bar / 24 MPa	240 bar / 24 MPa	240 bar / 24 MPa	240 bar / 24 MPa
<b>Hydraulic hose length</b>	10 meters	10 meters	10 meters	-
<b>Maximum diameter of cut cable</b>	Ø 80 mm	Ø 85 mm	Ø 85 mm	Ø 200 mm
<b>Trolley dimensions (length x width x height)</b>	400 x 300 x 780 mm	400 x 300 x 620 mm	400 x 300 x 780 mm	1320 x 500 x 880 mm
<b>Trolley weight</b>	80 kg	80 kg	80 kg	210 kg
<b>Length of the shears (with a hydraulic actuator)</b>	320 mm	320 mm	320 mm	-
<b>Weight of the shears (with a hydraulic actuator)</b>	6,8 kg	6,5 kg	6,8kg	-

More information about Hydraulic Cable Cutters (technical features, operating principle and movies) can be found on our website [www.machtek.pl](http://www.machtek.pl)



## Mobile Hydraulic Cable Shears MACHTEK N-11, N-22, N-33.

Consist of a trolley-mounted, electrically powered hydraulic pump, hydraulic 10 m hydraulic hose and shears with a hydraulic actuator designed for cutting cables.



Shears N-11

## Hydraulic Cable Shears MACHTEK N-11

Designed for cutting cables up to 80 mm in diameter. The device can cut bundled or tangled cables, or several cables at a time.



Shears N-22

## Hydraulic Cable Shears MACHTEK N-22

Designed for cutting cables up to 85 mm in diameter. The device can cut bundled or tangled cables, or several cables at a time.



Shears N-33

## Hydraulic Cable Shears MACHTEK N-33

Designed for cutting cables and pipes up to 85 mm in diameter. Special design of the shears ensures versatility of use.

## Hydraulic Cable Shears MACHTEK N-44

Unique shears for cutting cables up to 200 mm. Perfect for thick underground power cables and cables coated in non-ferrous metals.

The MACHTEK N-44 Mobile Hydraulic Shears for cutting thick cable and scrap metal are mounted on a wheeled platform. The device consists of an electric motor, a hydraulic pump, a hydraulic actuator and steel shears (grey). The cutting elements of the shears (black) are replaceable (attached with screws).



Shears N-44

## **We sell reliable, effective and efficient plastic recycling machines.**

All MACHTEK Plastic Granulators guarantee production of high quality plastic granulate with stable size and no dust. Used high quality steel material especially for making knives of the crushers, makes the machines stand long use under severe and continuous service conditions.

MACHTEK plastic recycling machines are a perfect choice for the plastic extrusion plants and plastic recycling industries.

**Categories of MACHTEK Plastic Granulators:**

### **Plastic Granulators MG Series**

Beside-the-press Plastic Granulators  
Central Plastic Granulators

### **Plastic Granulators MQ Series**

### **Plastic Granulators MF Series**

### **Styrofoam compactors and shredders**

**Necessary accessories of machines:**

**Knives and sieves**

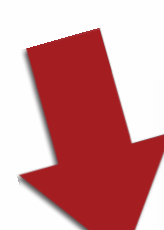




## Plastic Recycling Machines - Operating principle



**Plastic Granulator**



**re-apply granules**



Series MG-10, MG-15 and MG-20 are ideal for beside-the-press injection moulding applications.

Series MG-25, MG-30 and MG-40 are used as a central granulator or a beside the press granulator and as granulators of all kind of plastic in recycling plants.

All MACHTEK Plastic Granulators MG Series guarantee production of high quality plastic granulate with stable size and no dust.

Their safety is confirmed, the European CE Safety Certificate.

## Beside-the-press Plastic Granulators - MG Series

### Plastic Granulators MACHTEK MG-10 Series

Plastic Granulators MG series are a low-speed granulators.

#### Technical data:

	MG-10A Granulator	MG-10B Granulator
<b>Motor power</b>	1,1 kW	1,5 kW
<b>Knives rotation speed</b>	26 rpm	26 rpm
<b>Knives material</b>	9CrSi Steel	9CrSi Steel
<b>Rotating knives</b>	2 pcs	3 pcs
<b>Fixed knives</b>	2 pcs	3 pcs
<b>Rotor diameter</b>	100 mm	100 mm
<b>Cutterhouse dimensions</b>	230 x 230 mm	230 x 350 mm
<b>Blower</b>	standard	standard
<b>Bin (instead of blower)</b>	optional	optional
<b>Cyclone dust separator</b>	optional	optional
<b>Efficiency</b>	up to 20 kg/h	up to 30 kg/h
<b>Noise level</b>	65-75 dB	65-75 dB
<b>Size (depth x width x height)</b>	750 x 560 x 1250 mm	865 x 560 x 1250 mm
<b>Weight</b>	225 kg	240 kg





## Technical features:

- are intended for all types of plastic material,
- with efficiency to 70 kg of regrind per hour,
- additional custom-made elements allow for certain adjustment for specific needs,
- are perfect for hard and brittle plastics and glass fibre thanks to the technology of low-speed granulation and high gear ratio, which translates into the high pressure strength of the blades (high torque),



- ensure a stable size of the granulate thanks to the proper structure of the granulating mechanism, and they allow to control the granulation process all the time through a visor,
- are easy to clean when changing the type or colour of the material to be granulated, thanks to quick and easy access to the grinding chamber,
- low noise level and low vibration thanks to low revolutions, flexible connection of the engine and granulating mechanism and low centre of gravity,
- double life of the blades equipped two cutting edges
- ensures comfortable work environment thanks to the low levels of noise, dust and vibrations,
- easy to use thanks to their durable, mobile structure.



## Beside-the-press Plastic Granulators - MG Series

### Plastic Granulators MACHTEK MG-15 Series

Three mid-speed granulators with a capacity of up to 70 kg/h.



MG-15A



MG-15B



MG-15C

#### Technical features:

- are equipped with CSCG technology to ensure the stable size of the granulate, tightness of the grinding chamber and low dust level,



- a unique structure which allows to reduce friction heat and thus allows for a long work without pauses, as well as perfect conditions of use of the blades and sieve,
- are equipped with hardened bilateral screens to enhance their working life,
- is easy to use thanks to direct access to the grinding chamber, which allows to clean it thoroughly if you change the type or colour of the granulated material and want to avoid contamination,
- replacement of fixed and rotating blades is also quick and easy,
- ensures comfortable work environment thanks to the low levels of noise, dust and vibrations,
- additional custom-made elements allow for certain adjustment for specific needs.



## Technical data:

	MG-15A Granulator	MG-15B Granulator	MG-15B Granulator
<b>Motor power</b>	1,1	1,5 kW	2,2 kW
<b>Knives rotation speed</b>	400 rpm	400 rpm	190/290 rpm
<b>Knives material</b>	9CrSi steel	9CrSi steel	9CrSi steel
<b>Rotating knives</b>	9 pcs	12 pcs	18 pcs
<b>Fixed knives</b>	2 pcs	2 pcs	4 pcs
<b>Rotor diameter</b>	150 mm	150 mm	150 mm
<b>Cutterhouse dimensions</b>	180 x 240 mm	240 x 240 mm	150 x 420 mm
<b>Screen hole diameter</b>	6 mm	6 mm	6 mm
<b>Optional screen hole diameter</b>	3,4,5,8 mm	3,4,5,8 mm	4,6,10 mm
<b>Hardened screen</b>	optional		
<b>Blower</b>	standard		
<b>Bin (instead of blower)</b>	optional		
<b>Cyclone dust separator</b>	optional		
<b>Efficiency</b>	up to 30 kg/h	up to 40 kg/h	up to 70 kg/h
<b>Noise level</b>	70 - 85 dB		
<b>Size (depth x width x height)</b>	520 x 700 x 1200 mm	520 x 700 x 1200 mm	760 x 770 x 1250 mm
<b>Weight</b>	120 kg	180 kg	230 kg

## Beside-the-press Plastic Granulators - MG Series

### Plastic Granulator MACHTEK MG20

Plastic Granulator MG20 is a mid-speed granulator.

#### Technical data:

- Motor power: 1,5 kW
- Knives rotation speed: 100 obr./min
- Knives material: Cr12MoV
- Rotating knives: 39 pcs
- Fixed knives: 4 pcs
- Rotor diameter: 220 mm
- Cutterhouse dimensions: 300 x 360 mm
- Screen hole diameter: 7 mm
- Optional screen hole diameter: 3, 4, 8, 10 mm
- Hardened screen: optional
- Blower: standard
- Bin: (instead of blower) optional
- Cyclone dust separator: optional
- Efficiency: up to 50 kg/h
- Noise level: 70-85 dB
- Size: depth 770 x width 800 x height 1440 mm
- Weight: 250 kg



Big cutterhouse and a set of 29 claw-like knives ensure that MG-20 can cope with all kinds of plastic materials with ease.

#### Technical features:

- is equipped with CSCG technology to ensure the stable size of granulate, tightness of the grinding chamber and low dust level,
- is a medium-speed granulator, with the technology of high gear ratio to provide excess of power and thus long and reliable operations,
- a unique structure which allows to reduce friction heat and thus allows for a long work without pauses, as well as perfect condition of use the blades and sieves,
- is equipped with hardened bilateral screens to enhance their working life
- is easy to use thanks to direct access to the grinding chamber, which allows to clean it thoroughly if you change the type or colour of the granulated material and want to avoid contamination,
- replacement of fixed and rotating blades is also quick and easy,
- additional custom-made elements allows for certain adjustment for specific needs.
- safety confirmed with CE certification.



## Central Plastic Granulators - MG Series

### **MACHTEK Plastic Granulators MG-25, MG-30, MG-40 Series**

MACHTEK Plastic Granulators are high-speed granulator with efficiency from 450 up to 200 kg of regrind per hour.

Technical data of MG-25A,B,C and MG-30, MG-40 are presented in the table on the next page.



MG-30A



MG-25C

### **Technical features of MG-25, MG-30 and MG-40:**

- are equipped with CSCG technology to ensure the stable size of the granulate, tightness of the grinding chamber and low dust level,
- a unique structure which allows to reduce friction heat and thus allows for a long work without pauses, as well as perfect conditions of use of the blades and sieve,
- are equipped with hardened bilateral screens to enhance their working life,
- is easy to use thanks to direct access to the grinding chamber, which allows to clean it thoroughly if you change the type or colour of the granulated material and want to avoid contamination,
- replacement of fixed and rotating blades is also quick and easy,
- equipped with a pneumatic servomotor, which allows to access the granulator's interior,
- the blades can be sharpened numerous times to decreased the costs of use,
- ensures comfortable work environment thanks to the low levels of noise, dust and vibrations,
- has a stout and mobile structure (equipped with wheels, fit to move around with a forklift),
- additional custom-made elements allow for certain adjustment for specific needs.

## MACHTEK Central Plastic Granulators - MG Series

### Technical data of MG-25:

	MG-25A Granulator	MG-25B Granulator	MG-25C Granulator
<b>Motor power</b>	5,5 kW	7,5 kW	11 kW
<b>Optional motor power</b>	7,5 kW	11 kW	7,5 lub 15 kW
<b>Knives rotation speed</b>	600 rpm	500 rpm	500 rpm
<b>Knives material</b>	9CrSi steel		
<b>Rotating knives</b>	9 pcs	12 pcs	15 pcs
<b>Fixed knives</b>	2 pcs	4 pcs	4 pcs
<b>Rotor diameter</b>	230 mm	250 mm	260 mm
<b>Cutterhouse dimensions</b>	230 x 300 mm	250 x 400 mm	260 x 500 mm
<b>Screen hole diameter</b>	8 mm		
<b>Optional screen hole diameter</b>	4,6,10,12,14,18,25 mm		
<b>Hardened screen</b>	optional		
<b>Blower (instead of bin)</b>	optional		
<b>Cyclone dust separator</b>	optional		
<b>Efficiency</b>	do 200 kg/h	do 300 kg/h	do 450 kg/h
<b>Noise level</b>	75-90 dB		
<b>Size (depth x width x height)</b>	930 x 680 x 1120 mm	1150 x 820 x 1280 mm	1200 x 880 x 1400 mm
<b>Weight</b>	400 kg	550 kg	850 kg

Plastic Granulators MG-25, MG-30 and MG-40 are available with a container or with a blower and a cyclone dust separator.

## Technical data of MG-30 and 40:

	MG-30A Granulator	MG-30B Granulator	MG-40 Granulator
<b>Motor power</b>	15 kW	22 kW	30 kW
<b>Optional motor power</b>	11 or 18,5 kW	18,5 or 30 kW	22 or 37 kW
<b>Knives rotation speed</b>	480 rpm		
<b>Knives material</b>	9CrSi steel		
<b>Rotating knives</b>	18 pcs	21 pcs	24 pcs
<b>Fixed knives</b>	4 pcs	4 pcs	6 pcs
<b>Rotor diameter</b>	300 mm	360 mm	400 mm
<b>Cutterhouse dimensions</b>	300 x 600 mm	360 x 700 mm	400 x 800 mm
<b>Screen hole diameter</b>	8 mm		
<b>Optional screen hole diameter</b>	4,6,10,12,14,18,25 mm		
<b>Hardened screen</b>	optional		
<b>Efficiency</b>	up to 20 kg/h	up to 30 kg/h	up to 30 kg/h
<b>Blower</b>	optional		
<b>Cyclone dust separator</b>	optional		
<b>Efficiency</b>	up to 550 kg/h	up to 650 kg/h	up to 900 kg/h
<b>Noise level</b>	75 - 95 dB		
<b>Size (depth x width x height)</b>	1230 x 1200 x 1520 mm	1460 x 1200 x 1700 mm	1500 x 1350 x 2100 mm
<b>Weight</b>	1000 kg	1200 kg	2000 kg



## Plastic Granulators - MQ Series

### **MACHTEK MQ-200 Plastic Granulator**

Powerful pet/pp/abs plastic crusher with high output up to 150 kg/h.

#### Technical data:

- Power: 4 W
- Rotating Speed: 600 r/min
- Rotating Dia: 180 mm
- Moving Blades: 6 pcs
- Fixed Blades: 2 pcs
- Crushing ability: 110 - 150 kg/h
- Feeding inlet: 230 x 200 mm
- Screen net: 8 mm
- Net Weight (without motor): 220 kg
- Machine size: width 620 x length 920 x height 1050 mm

**All of MACHTEK Plastic Granulators are safety confirmed with CE certification.**



#### Technical features of Plastic Granulators - MQ Series:

- strong structure, easy to operate, low electricity consumption & durable
- uses high quality steel material especially for making knives of the crushers, the machine stands long use under severe and continuous service conditions.
- the blades can be grinded for many times and can be used repeatedly
- blades base is made of T10 high quality steel, hard to be broken and damaged; Blades base structure is stable and durable
- with flat type, claw type and cross type blade and screen with different hole size for chose to suit various demand.
- with double reduce noise layer design to reduce noise output.
- has protection system with the power supply to ensure the equipment safe
- easy to clean and maintain, the hopper, crusher room, blades and screen can be removed and mounted easily.
- necessary for the plastic extrusion machines and other plastic recycling industry.
- safety confirmed by CE certification.

## **MACHTEK MQ-300 Plastic Granulator**

Powerful pet/pp/abs plastic crusher with high output up to 200 kg/h.



### **Technical data:**

- Power: 5,5 kW
- Rotating Speed: 610 rpm
- Rotating Dia: 213 mm
- Moving Blades: 9 pcs
- Fixed Blades: 2 pcs
- Crushing ability: 150-200 kg/h
- Feeding inlet: 300 x 200 mm
- Screen net: 8 mm
- Net Weight (without motor): 270 kg
- Machine size:  
width 1120 x length 740 x height 1000 mm

## **MACHTEK MQ-400 Plastic Granulator**

Powerful pet/pp/abs plastic crusher with high output up to 400 kg/h.



### **Technical data:**

- Power: 7,5 kW
- Rotating Speed: 580 rpm
- Rotating Dia: 243 mm
- Moving Blades: 12 pcs
- Fixed Blades: 2 pcs
- Crushing ability: 250 - 400 kg/h
- Feeding inlet: 400 x 245 mm
- Screen net: 10 mm
- Net Weight (without motor): 360 kg
- Machine size:  
width 1128 x length 880 x height 1350 mm

## Plastic Granulators - MQ Series

### **MACHTEK MQ-500 Plastic Granulator**

Powerful pet/pp/abs plastic crusher with high output up to 500 kg/h.

#### Technical data:

- Power: 11 kW
- Rotating Speed: 600 r/min
- Rotating Dia: 247 mm
- Moving Blades: 15 pcs
- Fixed Blades: 2 pcs
- Crushing ability: 300 - 500 kg/h
- Feeding inlet: 500 x 285 mm
- Screen net: 10 mm
- Net Weight (without motor): 500 kg
- Machine size:  
length 1450 x width 1000 x height 1480 mm



### **MACHTEK MQ-600 Plastic Granulator**

Powerful pet/pp/abs plastic crusher with high output up to 600 kg/h.

#### Technical data:

- Power: 15 kW
- Rotating Speed: 506 r/min
- Rotating Dia: 292 mm
- Moving Blades: 18 pcs
- Fixed Blades: 4 pcs
- Crushing ability: 500 - 600 kg/h
- Feeding inlet: 600 x 315 mm
- Screen net: 12 mm
- Net Weight (without motor): 775 kg
- Machine size:  
length 1580 x width 1160 x height 1720 mm





## **MACHTEK MQ-700 Plastic Granulator**

Powerful pet/pp/abs plastic crusher  
with high output up to 800 kg/h.



### **Technical data:**

- Power: 22 kW
- Rotating Speed: 493 rpm
- Rotating Dia: 360 mm
- Moving Blades: 21 pcs
- Fixed Blades: 4 pcs
- Crushing ability: 800 kg/h
- Feeding inlet: 685 x 430 mm
- Screen net: 12 mm
- Machine size:  
width 1780 x length 1250 x height 1960 mm

## **MACHTEK MQ-800 Plastic Granulator**

Powerful pet/pp/abs plastic crusher  
with high output up to 1000 kg/h.



### **Technical data:**

- Power: 30 kW
- Rotating Speed: 440 rpm
- Rotating Dia: 400 mm
- Moving Blades: 24 pcs
- Fixed Blades: 4 pcs
- Crushing ability: 1000 kg/h
- Feeding inlet: 800 x 450 mm
- Screen net: 12 mm
- Machine size:  
width 1950 x length 1370 x height 2180 mm

## Plastic Shredders - MF Series

### MACHTEK MF-40, MF-60 and MF-70 Foil Shredders

Efficiency up to 500 kg of material processed per hour. Specially designed in order to achieve high efficiency of shredding foil up to 2 mm thick and small items made of PP, PE, LLDPE, LDPE, HDPE.

#### Technical data:

	Foil Shredder MF-40	Foil Shredder MF-60	Foil Shredder MF-70
<b>Power</b>	11 kW	22 kW	30 kW
<b>Blades rotation speed</b>	550 rpm	495 rpm	400 rpm
<b>Number of moving blades</b>	6 pcs	6 pcs	6 pcs
<b>Number of constant blades</b>	4 pcs	4 pcs	4 pcs
<b>Rotator diameter</b>	280 mm	350 mm	400 mm
<b>Sieve diameter (basic version)</b>	20	20	25
<b>Sieve diameters (on request)</b>	10, 12, 14, 16, 18 mm		
<b>Cyclone separator diameter</b>	650 mm	800 mm	900 mm
<b>Inlet chute height</b>	1120 mm	1200 mm	1430 mm
<b>Inlet chute dimensions</b>	400 x 300 mm	620 x 510 mm	700 x 480 mm
<b>Efficiency</b>	up to 500 kg/h	up to 700 kg/h	up to 800 kg/h
<b>Dimensions</b>	length 1200 x width 1250 x height 1450 mm	length 1450 x width 1300 x height 1710 mm	length 1720 x width 1260 x height 2300 mm



## Styrofoam compactors and shredders

### MACHTEK Styrofoam Compactors MK Series

Designed for compacting EPS polystyrene blocks 40 to 1. Degree of compaction between 250-350 kg/m<sup>3</sup>. The compacted material can be easily cut into smaller pieces and stored. Integrated preliminary shredder for Styrofoam/EPS blocks. Compact and modular design. Capable of working for a long time without overheating.



#### MK-130 Styrofoam Compactor

- Power: 15 kW
- Degree of compaction: 30:1
- Efficiency: 3 - 5 m<sup>3</sup>/h
- Maximum input material size: 360 x 600 mm
- Output material size: 130 x 130 mm
- Machine weight: 200 kg



#### MK-200 Styrofoam Compactor

- Power: 4 kW
- Degree of compaction: 35:1
- Efficiency: 5 - 9 m<sup>3</sup>/h
- Maximum input material size: 400 x 600 mm
- Output material size: 200 x 200 mm
- Machine weight: 400 kg



#### MK-250 Styrofoam Compactor

- Power: 8 kW
- Degree of compaction: 40:1
- Efficiency: 15 - 25 m<sup>3</sup>/h
- Maximum input material size: 660 x 430 mm
- Output material size: 250 x 250 mm
- Machine weight: 800 kg



#### MK-370 Styrofoam Compactor

- Power: 14 kW
- Degree of compaction: 40:1
- Efficiency: 15 - 25 m<sup>3</sup>/h
- Maximum input material size: 960 x 580 mm
- Output material size: 370 x 370 mm
- Machine weight: 1500 kg

On request, the size and shape of the inlet chute may be adapted to a particular input material, the shredder may be installed or not, and a diesel engine may be used instead of an electric motor.



## Styrofoam compactors and shredders.

### MACHTEK Styrofoam Crushers

Designed for efficient recycling of used Styrofoam/EPS. Reduces the material volume by 2 to 3 times. Low noise level (max. 75 dB). Two low-speed shafts do not produce dust. Granulated material may be discharged into plastic bags or directly to a container.

### MS-250 Styrofoam Crusher With Packing Function

- Engine power: 2,2 kW
- Inlet chute size: 720 x 504 mm
- Blade size: 15 - 30 mm
- Efficiency: 120 kg/h
- Machine weight: 400 kg
- Device dimensions: 1210 x 980 x 2270 mm



### MS-1300 Styrofoam Crusher With Packing Function

- Engine power: 7,5 kW
- Inlet chute size: 1300 x 500 mm
- Blade size: 30 - 50 mm
- Efficiency: 100 - 180 kg/h
- Machine weight: 400 kg
- Device dimensions: 2000 x 1000 x 1800 mm



### MPP-1600 Polyurethane Foam Shredder

Granulates EPS/EPP foam to small 5-15 mm particles. Integrated grinding system consisting of a two-shaft preliminary shredder and a single-shaft granulation device. Low dust emission. Capable of working for a long time without overheating. Low power consumption.

- Engine power: 11 + 18,5 kW
- Inlet chute size: 1600 x 600 mm
- Flake size: 5 - 15 mm
- Efficiency: 150 - 250 kg/h
- Machine weight: 1400 kg
- Device dimensions: 2350 x 2100 x 2000 mm



## **BLADES nad SCREENS for MACHTEK Recycling Machines**

We provide original spare parts for MACHTEK machines. We offer blades for Cables Strippers, screens and blades for Cables Granulators, Plastic Granulators, Plastic and Foil Mills, Shredders, etc. We also offer the possibility of making blades and screens for machines of other manufacturers.



**Buy blades and screens for MACHTEK and other machines directly on our website [www.machtek.pl](http://www.machtek.pl)**



## Scrap Machines - ALIGATOR - Operating principle



steel and non-ferrous metal elements



It is safe and easy to use - ALIGATOR shears may be used by a single employee with just a basic training directly at the work stand.

All ALIGATOR shears are made in compliance with the Quality Management System ISO 9001:2008. Parameters and prices of ALIGATOR scrap shears fit every business.



ALIGATOR Series L cuts scrap of different shapes and thicknesses.





Hydraulic ALIGATOR scrap shears are used for cold cut of steel and non-ferrous metal elements.

They are used by scrap purchasers and at scrap processing plants to cut scrapped sections, pipes, sheets and to break rail tracks and tram tracks.

When compared to shear balers, shears mounted on excavators and shears with traditional mechanical drive, the ALLIGATOR scrap shears are considerably smaller, lighter and quieter, while still highly efficient and reliable.

ALIGATOR scrap shears are also more cost-effective than gas burners to cut scrap. The efficiency of ALLIGATOR shears is comparable even to five qualified workers cutting scrap with gas burners. The investment in scrap shears pays off just after 6 months, as you save on salaries, gas costs and no losses on the material which literally evaporates when cut with a burner.



Hydraulic ALIGATOR scrap shears during operation.

## Scrap Machines - ALIGATOR

### ALIGATOR L-60 Scrap Shears

ALIGATOR Scrap Shears L60 are used for materials up to 35 mm thick. Their pressure strength is 63 tons, blade length 600 mm, max. spread 250 mm.



ALIGATOR L-60

### ALIGATOR L-100 Scrap Shears

ALIGATOR Scrap Shears L100 are used for materials up to 40mm thick. Their pressure strength is 100 tons, blade length 600 mm, max. spread 280 mm.



ALIGATOR L-100

### SALIGATOR L-120 crap Shears

ALIGATOR Scrap Shears L120 are used for materials up to 45 mm thick. Their pressure strength is 120 tons, blade length 600 mm, max. spread 280 mm.



ALIGATOR L-120

### ALIGATOR L-130 Scrap Shears

ALIGATOR Scrap Shears L130 are used for materials up to 50 mm thick. Their pressure strength is 130 tons, blade length - 700 mm, max. spread - 320 mm.

### ALIGATOR L-160 Scrap Shears

ALIGATOR Scrap Shears L160 are used for materials up to 55mm thick. Their pressure strength is 160 tons, blade length 700 mm, max. spread 380 mm.



ALIGATOR L-160

Detailed specifications of all ALIGATOR L Series available in the tables on the following pages.





ALIGATOR L-200

## ALIGATOR L-200 Scrap Shears

ALIGATOR Scrap Shears L-200 are used for materials up to 70 mm thick. Their pressure strength is 200 tons, blade length 800 mm, max. spread 380 mm.



ALIGATOR L-315

## ALIGATOR L-250 Scrap Shears

ALIGATOR Scrap Shears L-250 are used for materials up to 80 mm thick. Their pressure strength is 250 tons, blade length 1000 mm, max. spread 480 mm.

## ALIGATOR L-315 Scrap Shears

ALIGATOR Scrap Shears L-315 are used for materials up to 90 mm thick. Their pressure strength is 315 tons, blade length 1200 mm, max. spread 650 mm.

## ALIGATOR L-400 Scrap Shears

ALIGATOR Scrap Shears L-400 are used for materials up to 100 mm thick. Their pressure strength is 400 tons, blade length 1500 mm, max. spread 750 mm.

## ALIGATOR L-500 Scrap Shears

ALIGATOR Scrap Shears L-500 are used for materials up to 110 mm thick. Their pressure strength is 500 tons, blade length 1600 mm, max. spread 850 mm.

## ALIGATOR L-630 Scrap Shears

ALIGATOR Scrap Shears L-630 are used for materials up to 120 mm thick. Their pressure strength is 630 tons, blade length 1800 mm, max. spread 950 mm.



ALIGATOR L-400

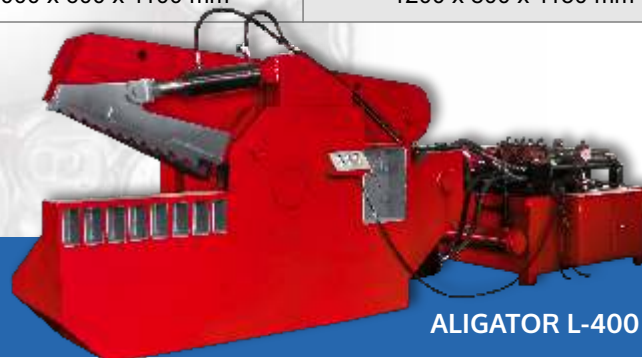
ALLIGATORS L-500 and L-630 are designed to cut very large components.



## Scrap Machines - ALIGATOR

### Technical data of all ALIGATOR Scrap Shears:

	L-60		L-100		L-120	
	Shears Clamp	Holding Clamp	Shears Clamp	Holding Clamp	Shears Clamp	Holding Clamp
<b>Power</b>	630 kN	120 kN	1000 kN	160 kN	1250 kN	200 kN
<b>Cylinder Diameter</b>	125 mm	80 mm	135 mm	80 mm	160 mm	100 mm
<b>Piston Diameter</b>	80 mm	45 mm	80 mm	45 mm	105 mm	65 mm
<b>Steering System</b>	Electro-hydraulic switch valve, control panel		Electro-hydraulic switch valve, control panel		Electro-hydraulic switch valve, control panel	
<b>Nominal Pressure</b>	20 MPa		20 MPa		20 MPa	
<b>Engine Power</b>	7,5 kW		7,5 kW		15 kW	
<b>Pump maximum displacement</b>	25 cm <sup>3</sup>		40 cm <sup>3</sup>		63 cm <sup>3</sup>	
<b>Hoist Frequency</b>	8-10 per minute		8-10 per minute		8-10 per minute	
<b>Blade Length</b>	600 mm		600 mm		600 mm	
<b>Max. Blade Spread</b>	250 mm		280 mm		280 mm	
<b>Max. Size of Cut Material</b>	<ul style="list-style-type: none"> <li>• Angle plate 40 x 40 x 4 mm (3pcs)</li> <li>• I-Beam 100 x 68 x 4,5 mm</li> <li>• C-Rail 120 x 53 x 5,5 mm</li> <li>• Board 20 x 200 mm</li> <li>• Square rod 30 x 30 mm</li> <li>• Round rod Ø35 mm</li> </ul>		<ul style="list-style-type: none"> <li>• Angle plate 80 x 80 x 3 mm (3pcs)</li> <li>• I-Beam 126 x 74 x 5 mm</li> <li>• C-Rail 140 x 60 x 8 mm</li> <li>• Board 30 x 200 mm</li> <li>• Square rod 40 x 40 mm</li> <li>• Round rod Ø45 mm</li> </ul>		<ul style="list-style-type: none"> <li>• Angle plate 100 x 100 x 10 mm (3pcs)</li> <li>• I-Beam 175 x 88 x 5,5 mm</li> <li>• C-Rail 180 x 68 x 8 mm</li> <li>• Board 25 x 200 mm</li> <li>• Square rod 50 x 50 mm</li> <li>• Round rod Ø50 mm</li> </ul>	
<b>Size</b>	Machine 1700 x 800 x 1400 mm		Machine 1700 x 580 x 1380 mm		Machine 1900 x 700 x 1350 mm	
	Oil tank 1000 x 700 x 1100 mm		Oil tank 1000 x 600 x 1100 mm		Oil tank 1200 x 800 x 1150 mm	



ALIGATOR L-400

L-130		L-160		L-200		L-250	
Shears Clamp	Holding Clamp	Shears Clamp	Holding Clamp	Shears Clamp	Holding Clamp	Shears Clamp	Holding Clamp
1300 kN	200 kN	1600 kN	150 kN	2000 kN	300 kN	2500 kN	380 kN
160 mm	100 mm	180 mm	100 mm	200 mm	125 mm	220 mm	125 mm
105 mm	65 mm	120 mm	65 mm	140 mm	80 mm	160 mm	80 mm
Electro-hydraulic switch valve, control panel		Electro-hydraulic switch valve, control panel		Electro-hydraulic switch valve, control panel		Electro-hydraulic switch valve, control panel	
20 MPa		20 MPa		20 MPa		20 MPa	
15 kW		15 kW		22 kW		30 kW	
63 cm <sup>3</sup>		80 cm <sup>3</sup>		160 cm <sup>3</sup>		2 x 63 cm <sup>3</sup>	
8-10 times per minute		8-12 times per minute		8-10 times per minute		8-10 times per minute	
700 mm		700 mm		800 mm		1000 mm	
320 mm		320 mm		380 mm		480 mm	
<ul style="list-style-type: none"> <li>• Angle plate 100 x 100 x 10 mm (3 pcs)</li> <li>• I-Beam 175 x 88 x 5,5 mm</li> <li>• C-Rail 180 x 68 x 8 mm</li> <li>• Board 25 x 200 mm</li> <li>• Square rod 50 x 50 mm</li> <li>• Round rod Ø55 mm</li> </ul>		<ul style="list-style-type: none"> <li>• Angle plate 120 102 x 10 mm(3 pcs)</li> <li>• I-Beam 215 x 102 x 6,5 mm</li> <li>• C-Rail 140 x 60 x 8 mm</li> <li>• Board 30 x 200 mm</li> <li>• Square rod 55 x 55 mm</li> <li>• Round rod Ø45 mm</li> </ul>		<ul style="list-style-type: none"> <li>• Angle plate 140 x 140 x 10 mm (3 pcs)</li> <li>• I-Beam 250 x 118 x 10 mm</li> <li>• C-Rail 280 x 82 x 7,5 mm</li> <li>• Board 30 x 400 mm</li> <li>• Square rod 70 x 70 mm</li> <li>• Round rod Ø75 mm</li> </ul>		<ul style="list-style-type: none"> <li>• Angle plate 160 x 160 x 12 mm (3 pcs)</li> <li>• I-Beam 250 x 118 x 10 mm</li> <li>• C-Rail 280 x 124 x 11,5 mm</li> <li>• Board 80 x 80 mm</li> <li>• Square rod 80 x 80 mm</li> <li>• Round rod Ø85 mm</li> </ul>	
Machine 1900 x 700 x 1350 mm		Machine 2000 x 750 x 1550 mm		Machine 2500 x 900 x 1500 mm		Machine 2900 x 1100 x 1800 mm	
Oil tank 1200 x 800 x 1150 mm		Oil tank 1400 x 1000 x 1300 mm		Oil tank 1400 x 1000 x 1300 mm		Oil tank 1750 x 1500 x 1600 mm	

## Scrap Machines - ALIGATOR

L-315		L-400		L-500		L-630	
Shears Clamp	Holding Clamp	Shears Clamp	Holding Clamp	Shears Clamp	Holding Clamp	Shears Clamp	Holding Clamp
3150 kN	380 kN	4000 kN	420 kN	5000 kN	420 kN	6300 kN	420 kN
250 mm	160 mm	280 mm	160 mm	320 mm	160 mm	320 mm	160 mm
160 mm	105 mm	180 mm	105 mm	220 mm	105 mm	220 mm	105 mm
Electro-hydraulic switch valve, control panel		Electro-hydraulic switch valve, control panel		Electro-hydraulic switch valve, control panel		Electro-hydraulic switch valve, control panel	
20 MPa		20 MPa		20 MPa		20 MPa	
37 kW		44 kW		44 kW		37+15 kW	
63 cm <sup>3</sup>		2 x 160 cm <sup>3</sup>		2 x 160 cm <sup>3</sup>		2 x 160 cm <sup>3</sup>	
8-10 times per min		8-10 times per min		8-10 times per min		8-10 times per min	
1200 mm		1500 mm		1800 mm		1800 mm	
650 mm		750 mm		850 mm		950 mm	
<ul style="list-style-type: none"> <li>• Angle plate 160 x 160 x 12 mm (3pcs)</li> <li>• I-Beam 250 x 118 x 10 mm</li> <li>• C-Rail 280 x 124 x 11,5 mm</li> <li>• Board 30 x 650/40 x 300 mm</li> <li>• Square rod 90 x 90 mm</li> <li>• Round rod Ø95 mm</li> </ul>		<ul style="list-style-type: none"> <li>• Angle plate 180 x 180 x 15 mm (3pcs)</li> <li>• I-Beam 320 x 132 x 11,5 mm</li> <li>• C-Rail 320 x 90 x 10 mm</li> <li>• Board 20 x 1000/30 x 800 mm</li> <li>• Square rod 100 x 100 mm</li> <li>• Round rod Ø110 mm</li> </ul>		<ul style="list-style-type: none"> <li>• Angle plate 200 x 200 x 14,5 mm (3pcs)</li> <li>• I-Beam 400 x 146 x 14,5 mm</li> <li>• C-Rail 400 x 105 x 14,5 mm</li> <li>• Board 20 x 1400/40 x 800 mm</li> <li>• Square rod 110 x 110 mm</li> <li>• Round rod Ø120 mm</li> </ul>		<ul style="list-style-type: none"> <li>• Angle plate 200 x 200 x 16 mm (3pcs)</li> <li>• I-Beam 400 x 146 x 14,5 mm</li> <li>• C-Rail 400 x 105 x 14,5 mm</li> <li>• Board 20 x 1400/40 x 800 mm</li> <li>• Square rod 110x110 mm</li> <li>• Round rod Ø120 mm</li> </ul>	
Machine 2950 x 1200 x 1780 mm		Machine 3200 x 1200 x 220 mm		Machine 3350 x 1300 x 2000 mm		Machine 2900 x 1100 x 1800 mm	
Oil tank 1750 x 1500 x 1600 mm		Oil tank 2900 x 1500 x 1200 mm		Oil tank 3000 x 2150 x 2250 mm		Oil tank 1750 x 1500 x 1600 mm	

Specifications and prices of Scrap Machines ALIGATOR Series are suitable for any business.



### MACHTEK G-240 Hydraulic Guillotine

The Hydraulic Guillotine is an optimum solution for cutting non-ferrous metals and fine scrap steel.



#### Technical data:

- Engine Power: 5 - 7,5 HP
- Voltage: 220/380 V
- Electrical power: 3,75 kW
- Hydraulic pump pressure: 240 bar / 24MPa
- Maximum pumping capacity: 5 - 6,5 cm<sup>3</sup>
- Device dimensions:  
length 450 x width 2000 x height 1000 mm
- Machine weight: 550 kg

#### Technical features:

##### **Fast and efficient work**

Large size and strength of the guillotine ensure fast and easy cutting of non-ferrous metal elements and fine scrap steel.

##### **Great savings**

Compared to an angle grinder (such as flexa, etc.), there is no need to keep buying cutting discs. The guillotine is only a one-off expense.

##### **No dust, smoke and noise**

It improves work safety and comfort, and allows you to avoid additional costs of buying occupational health and safety equipment (masks, safety glasses) and speeds up your work.

##### **Long service life of the guillotine**

Special design and top quality materials ensure that the guillotine can withstand prolonged, intensive use.

##### **Ease of use**

Using the guillotine does not require additional training, the blades are easy to remove, sharpen and put to further use.

##### **Rotary blade**

Makes work easier - the cut elements may be placed underneath the guillotine at any angle.

## Other Machines

### **MACHTEK RSE240 Recycler for Electric Engines**

A machine used for recycling of electric engines and retrieving copper wiring in a fast and efficient way.

#### Technical data:

- Pressure power of guillotine: from 2,2 kW to 5,5 kW
- Power of electric engine: 2.2 kW
- Maximum pressure of hydraulic pump: 240 bar
- Capacity of hydraulic pump: 4.5 cm<sup>3</sup>
- Max. diameter of electric engine to be cut: 200 mm
- Two replaceable blades with different width.
- Size: depth 1000 x width 1600 x height 2100 mm
- Mass: 1000 kg



#### Recycler for Electric Engines RSE-240:

Put the internal part of an engine - the stator with wiring - with maximum diameter up to 200 mm under the blade of the pneumatic guillotine. The blade slowly drives through the stator and wiring and cuts it in half. Then put one half of the engine in bottom pincers, wiring down. Top pincers fall down automatically, grab the stator and go up, thus separating it from copper wiring.

MACHTEK RSE240 consist of a pneumatic guillotine with pressure up to 5,5 kW and pneumatic double-edged pincers.

**Machine that gives unique recycling opportunity**

## MACHTEK MBS-3000 Glass Bottle Crusher

Reduces the volume of empty bottles by 80%. More free space and great savings. Small dimensions. Easy to use and inexpensive to maintain. CE Certificate ensures safety of operation.



- Engine power: 3 kW
- Inlet opening size: 370 x 220 mm
- Output material size: 6 - 50 mm adjustable
- Electric system: adjustable
- Space savings: > 75%
- Noise level: < 80 dB
- Feeding method: Several pieces
- Efficiency: 1500 - 3000 kg/h
- Machine weight: 270 kg
- Device dimensions: 780 x 590 x 1477 mm

## MACHTEK MDT-300 Hard Disk Crusher

Compact hard disk crushers are equipped with heavy blades, which cut hard disks into 20 mm pieces. They are characterised by low power consumption (single-/three-phase) and are quite enough to be used even in office environments. The device can also handle other electronic articles, such as phones, USB storage devices, CDs/DVDs, magnetic tapes and e-waste optical media. Safety confirmed with CE certification.



- Power: 2,2 kW
- Number of blades: 3 pcs
- Blade diameter: 169 mm
- Blade thickness: 34,5 mm
- Input material size: 105 mm
- Output material size: 40 mm
- Efficiency (standard hard disks): 550-600 pcs/h
- Efficiency (server hard disks): 275-300 pcs/h
- Machine weight: 810 kg

MACHTEK MDT-300 provides permanent data destruction.



## Shredders, Crushers.

### MACHTEK Single Shaft Shredders

MR-series medium size single shaft shredders are designed for tough work. Durable, reversible blades. Patented rotor design which makes maintenance easier. Adjustable speed of the hydraulic pusher. Shock absorbers. Waterproof and dustproof bearing housing. Digitally controlled using a PLC (Programmable Logic Controller).

#### MR-600 Single Shaft Shredder

- Engine power: 18.5/22/30 kW
- Pusher power: 5 kW
- Cutting chamber dimensions: 600 x 600 mm
- Shaft diameter: 420 mm
- Pusher stroke: 600 mm
- Rotor speed: 80 rpm
- Efficiency: 500 - 1500 kg/h
- Machine weight: 4200 kg



#### MR-800 Single Shaft Shredder

- Engine power: 30/37/45 kW
- Pusher power: 5 kW
- Cutting chamber dimensions: 800 x 600 mm
- Shaft diameter 420 mm
- Pusher stroke: 600 mm
- Rotor speed: 80 rpm
- Efficiency: 500 - 1500 kg/h
- Machine weight: 4200 kg



#### MR-1000 Single Shaft Shredder

- Engine power: 45/55/75 kW
- Pusher power: 10 kW
- Cutting chamber dimensions: 800 x 1000 mm
- Shaft diameter: 420 mm
- Pusher stroke: 800 mm
- Rotor speed: 80 rpm
- Efficiency: 800 - 2000 kg/h
- Machine weight: 5500 kg



#### MR-1200 Single Shaft Shredder

- Engine power: 75/90/110 kW
- Pusher power: 10 kW
- Cutting chamber dimensions: 800 x 1200 mm
- Shaft diameter: 420 mm
- Pusher stroke: 1200 mm
- Rotor speed: 80 rpm
- Efficiency: 1500 - 3500 kg/h
- Machine weight: 6800 kg



**All MACHTEK Single Shaft Shredders have European CE Safety Certificate.**

## MACHTEK Two Shaft Shreders

Designed for universal applications, the two shaft universal shredders are equipped with shafts which can deal even with the most demanding tasks. Robust design. Durable rotor blades and two shafts spinning in opposite directions ensure efficient crushing of any kind of material. Seals protecting shaft bearings. Mechanical and hydraulic power systems.



### MR-2300 Two Shaft Shredder

- Power: 7,5 kW
- Cutting chamber dimensions: 300 x 320 mm
- Shaft diameter: 170 mm
- Rotor speed: 22 rpm
- Efficiency: 300 - 500 kg/h
- Machine weight: 680 kg
- Device dimensions: 1207 x 750 x 1340 mm



### MR-2500 Two Shaft Shredder

- Power: 11,5/15/18,5 kW
- Cutting chamber dimensions: 500 x 560 mm
- Shaft diameter: 280 mm
- Rotor speed: 18/20 rpm
- Efficiency: 1000 - 2500 kg/h
- Machine weight: 2700 kg
- Device dimensions: 1914 x 1615 x 2185 mm



### MR-2800 Two Shaft Shredder

- Power: 22,5/30 kW
- Cutting chamber dimensions: 500 x 850 mm
- Shaft diameter: 280 mm
- Rotor speed: 20/22 rpm
- Efficiency: 1500 - 4000 kg/h
- Machine weight: 3500 kg
- Device dimensions: 2250 x 1510 x 2270 mm



### MR-3000 Two Shaft Shredder

- Power: 37,5/45 kW
- Cutting chamber dimensions: 500 x 1080 mm
- Shaft diameter: 280 mm
- Rotor speed: 23/26 rpm
- Efficiency: 2000 - 5500 kg/h
- Machine weight: 4100 kg
- Device dimensions: 2480 x 1715 x 2270 mm

On request, the rotor blades and torque can be customised to fit your needs.

If for any reason  
you didn't find  
a recycling machine  
you were looking for  
please contact us

Use our website  
[www.machtek.co.uk](http://www.machtek.co.uk)

or contact directly our **Sales Office**  
by phone **+48 515 294 456**  
or e-mail [salesoffice@machtek.pl](mailto:salesoffice@machtek.pl)

**We will do our best to find  
a machine that fits your needs!**







## OUR COMPANY PROVIDES:

### ADVICE BEFORE PURCHASE

We want to make sure that you buy a MACHTEK Recycling Machine which will meet your specific needs. We have different kinds of machines for recycling companies of all sizes. Each one has unique features and specific uses. This is why before you buy anything, our Technical Adviser is here for you to help. He will assist you with finding a machine perfect for your needs.

Please contact us to talk to our Adviser or arrange a meeting with him. He will also tell you current prices of MACHTEK Recycling Machines.

### DEMONSTRATION OF MACHINES AND HOW THEY WORK

If you want to see and test out MACHTEK Recycling Machines, please contact us. We can perform the tests with recycling materials which you provide. You can also watch the work of MACHTEK Recycling Machines on our website [www.machtek.co.uk](http://www.machtek.co.uk).

### ONGOING TECHNICAL SUPPORT

When you use MACHTEK Recycling Machines, you can count on our constant technical support. We are here for you if you want to know how to use our machines, buy spare parts (e.g. blades, screens, etc.). We will also help you with any expansions and modifications to our machines.

### WARRANTY AND POST-WARRANTY SERVICE

When you buy MACHTEK Recycling Machines, you get professional service for your equipment. We follow the Warranty Terms and Conditions without any problems. If you need service, please contact us to arrange a meeting.

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