
SINGLE-SHAFT

shredders

MR 40-80 IT SHREDDER

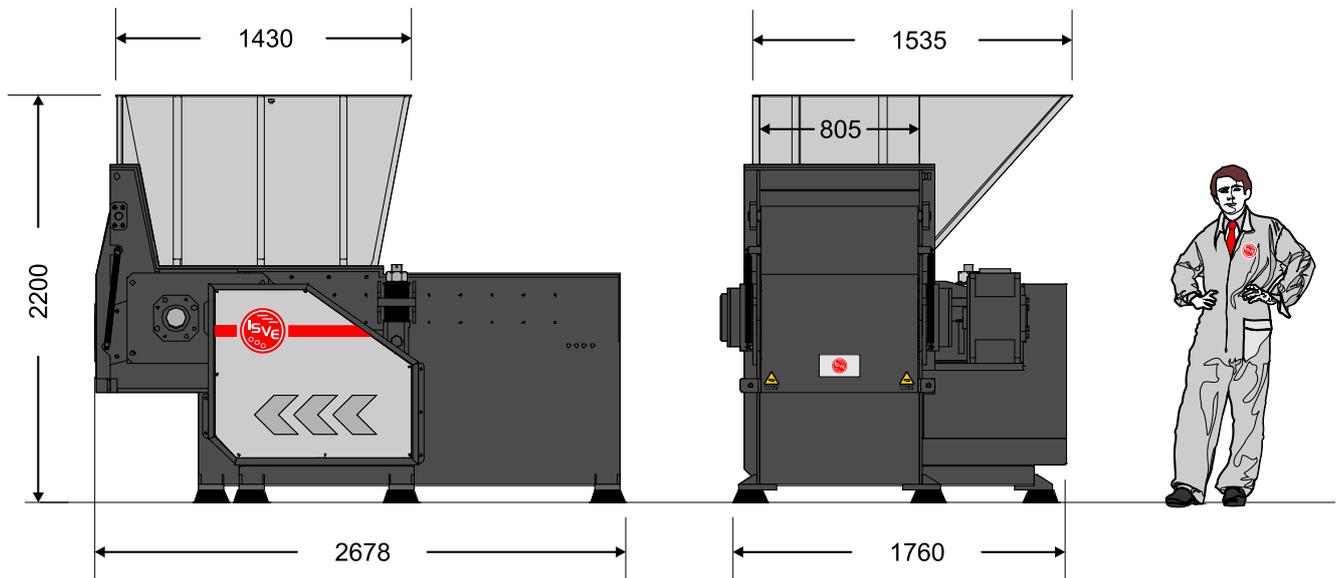
ISVE
MAINTENANCE
PROGRAM

SIEMENS
CONTROL

TOUCH
PANEL

AUTO TUNING
PROGRAM

ISVE SERVER
CONNECT



The MR 40-80 IT single-shaft shredder is particularly suitable to shred high quantities of industrial wastes. The heavy structure makes the machine suitable to realize a heavy use. A hydraulic control unit allows driving the pusher drawer. Thus, the product to be grinded is pushed towards a tools-holder rotor causing its crushing. Thanks to a screen it is possible to select the final dimension of the shredder material.

Main features

Power installed on the rotor:	37 kW (50 HP)
Power of the hydraulic control unit:	4 kW (HP 5,5)
Drive:	by belts
Number of rotors:	1
Rotor diameter	400 mm
Rotor length:	800 mm
Number of reversible tools:	35
N° of usable tools sides:	4
Average number of rotor revolutions per min	85
Weight:	4.000 kg
Production :	800-1.200 kg/h
Safety devices:	emergency stop, drawer reversal system
Manufactured according to EC standards.	



MR 40-80 IT SHREDDER

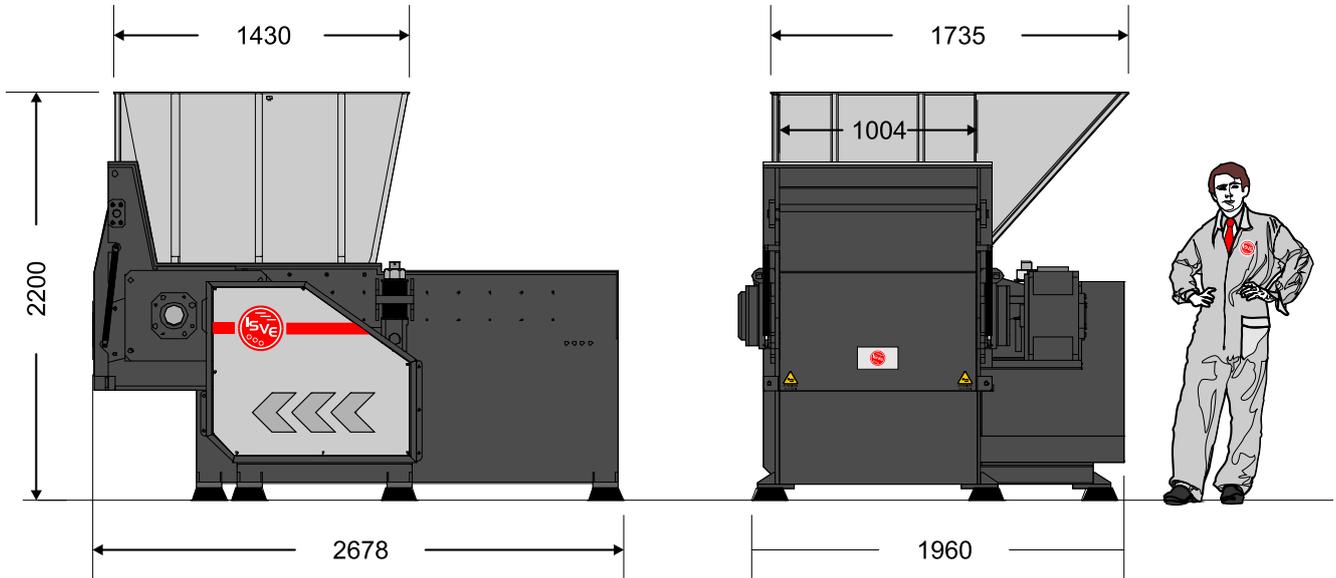
Characteristics of the shredder

- Strong welded steel framework mounted on anti-vibrating feet;
- Support for barrel roller bearings with sealing system against dust and liquids
- High thickness rotor with diameter of 400 mm and length of 800 mm. It is equipped with 35 tools-holder plates and 35 high alloyed anti-wear tools usable 4 times;
- No. 2 adjustable counter-blades (upper and lower) made in very alloyed anti-wear steel;
- Pusher drawer with hydraulic driving with 850 mm of usable run;
- Hydraulic unit fitted with gear pump with oil cooling radiator;
- Pulleys and belts drive system to avoid damaging mechanical due to rotor vibrations.
- No. 1 multi-voltage and multi-frequency motor of 37 KW of primary national company with PREMIUM efficiency class (IE3) and no. 1 motor of 4 KW for the hydraulic unit.
- 800X 1300 mm cutting chamber;
- Welded sheet metal hopper for top loading;
- Interchangeable screen establishing the size of the shredded material.

Characteristics of control system

- Electric switchboard complying with EEC standards, equipped with torque limiting device which inverts the direction of the rotor if the work load of the machine exceeds the set value;
 - S7-1200 SIEMENS PLC to control all the plant peripheral units;
 - Display touch screen 6 inches coloured to regulation of every parameter of the machine;
 - New auto-regulation software "AUTO TUNING ISVE";
 - Software prepared to control the loading system, the grinder and the suction plant.
 - Emergency control functions for stopping the system;
 - ISVE MAINTENACE PROGRAM: it signals the ordinary maintenance interventions at their expiry date.
 - PREDISPOSITION FOR REMOTE-ASSISTANCE AND "SAFETY SERVER CONNECTION ISVE" (real-time supervision of the parameters from server ISVE);
 - **Made to CE standards.**
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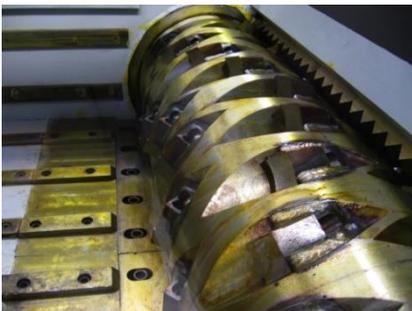
MR 40-100 IT SHREDDER



The MR 40-100 IT single-shaft shredder is particularly suitable to shred high quantities of industrial wastes. The heavy structure makes the machine suitable to realize a heavy use. A hydraulic control unit allows driving the pusher drawer. Thus, the product to be grinded is pushed towards a tools-holder rotor causing its crushing. Thanks to a screen it is possible to select the final dimension of the shredder material.

Main features

Power installed on the rotor:	45 kW (60 HP)
Power of the hydraulic control unit:	4 kW (HP 5,5)
Drive:	by belts
Number of rotors:	1
Rotor diameter	400 mm
Rotor length:	1000 mm
Number of reversible tools:	45
N° of usable tools sides:	4
Average number of rotor revolutions per min	85
Weight:	4.400 kg
Production :	1,5-2 t/h
Safety devices:	emergency stop, drawer reversal system
Manufactured according to EC standards	



MR 40-100 IT SHREDDER

Characteristics of the shredder

- Strong welded steel framework;
- Support for barrel roller bearings with sealing system against dust and liquids
- High thickness rotor with diameter of 400 mm and length of 1000 mm. It is equipped with 45 tools-holder plates and 45 high alloyed anti-wear tools usable 4 times;
- No. 2 adjustable counter-blades (upper and lower) made in very alloyed anti-wear steel.
- Pusher drawer with hydraulic driving with 850 mm of usable run;
- Hydraulic unit fitted with gear pump with oil cooling radiator;
- Pulleys and belts drive system to avoid damaging mechanical due to rotor vibrations.
- No. 1 multi-voltage and multi-frequency motor of 45 KW of primary national company with PREMIUM efficiency class (IE3) and no. 1 motor of 4 KW for the hydraulic unit.
- 1000X 1300 mm cutting chamber;
- Welded sheet metal hopper for top loading;
- Interchangeable screen establishing the size of the shredded material.

Characteristics of control system

- Electric switchboard complying with CEE standards, equipped with torque limiting device which inverts the direction of the rotor if the work load of the machine exceeds the set value;
 - S7-1200 SIEMENS PLC to control all the plant peripheral units;
 - Display touch screen 6 inches coloured to regulation of every parameter of the machine;
 - New auto-regulation software "AUTO TUNING ISVE";
 - Software prepared to control the loading system, the grinder and the suction plant.
 - Emergency control functions for stopping the system;
 - ISVE MAINTENANCE PROGRAM: it signals the ordinary maintenance interventions at their expiry date.
 - PREDISPOSITION FOR REMOTE-ASSISTANCE AND "SAFETY SERVER CONNECTION ISVE" (real-time supervision of the parameters from server ISVE);
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MR 40-120 IT SHREDDER

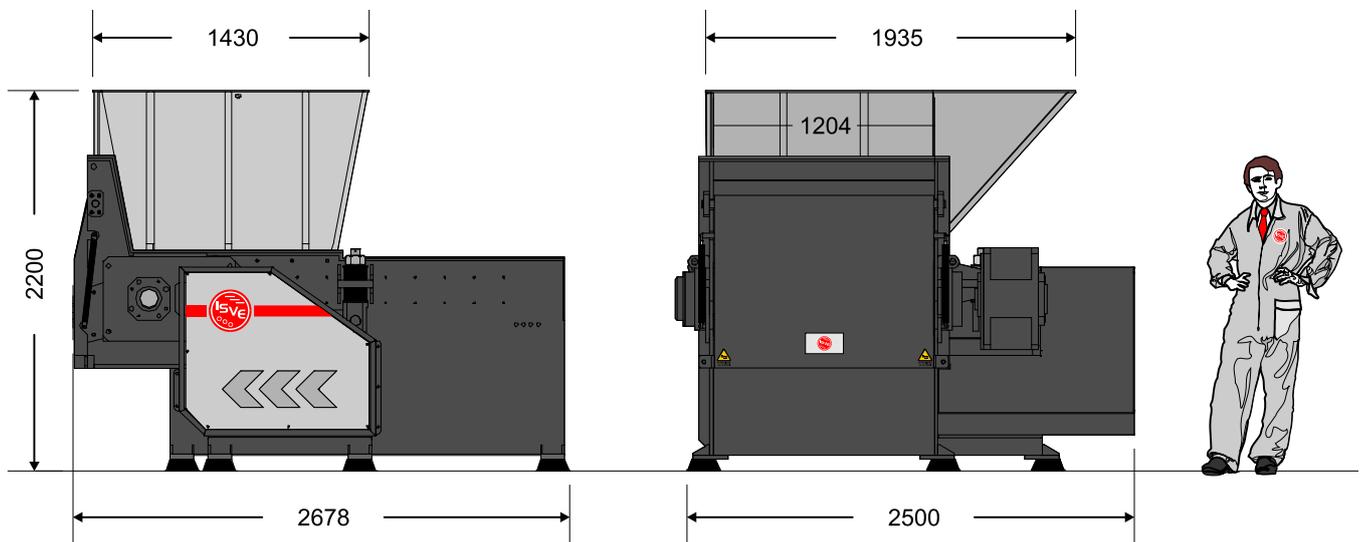
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The MR 40-120 IT single-shaft shredder is particularly suitable to shred high quantities of industrial wastes. The heavy structure makes the machine suitable to realize a heavy use. A hydraulic control unit allows driving the pusher drawer. Thus, the product to be grinded is pushed towards a tools-holder rotor causing its crushing. Thanks to a screen it is possible to select the final dimension of the shredder material.

Main features

Power installed on the rotor:	55 kW (75 HP)
Power of the hydraulic control unit:	5,5 kW (HP 7,5)
Drive:	by belts
Number of rotors:	1
Rotor diameter	400 mm
Rotor length:	1200 mm
Number of reversible tools:	55
N° of usable tools sides:	4
Average number of rotor revolutions per min	85
Weight:	5.500 kg
Production :	1,8-2,5 t/h
Safety devices:	emergency stop, drawer reversal system
Manufactured according to EC standards	



MR 40-120 IT SHREDDER

Characteristics of the shredder

- Strong welded steel framework;
- Support for barrel roller bearings with sealing system against dust and liquids
- High thickness rotor with diameter of 400 mm and length of 1200 mm. It is equipped with 55 tools-holder plates and 55 high alloyed anti-wear tools usable 4 times;
- No. 2 adjustable counter-blades (upper and lower) made in very alloyed anti-wear steel;
- Pusher drawer with hydraulic driving with 850 mm of usable run equipped with no 2 pushing cylinders.
- Hydraulic unit fitted with gear pump with oil cooling radiator;
- Hydraulic coupling between motor and reduction group;
- Pulleys and belts drive system to avoid damaging mechanical due to rotor vibrations;
- No. 1 multi-voltage and multi-frequency motor of 55 KW of primary national company with PREMIUM efficiency class (IE3) and no. 1 motor of 5,5 KW for the hydraulic unit.
- Welded sheet metal hopper for top loading;
- Interchangeable screen establishing the size of the shredded material.

Characteristics of control system

- Electric switchboard complying with EEC standards, equipped with torque limiting device which inverts the direction of the rotor if the work load of the machine exceeds the set value;
 - S7-1200 SIEMENS PLC to control all the plant peripheral units;
 - Display touch screen 6 inches coloured to regulation of every parameter of the machine;
 - New auto-regulation software "AUTO TUNING ISVE";
 - Software prepared to control the loading system, the grinder and the suction plant.
 - Emergency control functions for stopping the system;
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