
4-SHAFTS
shredders

TRITOTUTTO SERIE S

WORKING AND MAIN FEATURES

Loading unit

Hopper (1).

Shredding unit

4 shafts with sharp elements constituted by sharp-corners disks (3) provided with hooks (2)

Every hook has the task to "hook" the product and drive-it towards the cutters (4) assembled onto two or more counter-rotating motors-shaft which will realize a sharp-cut of the material.

Motor drive

Alternated current asynchronous electric motor. Drive by epicyclical reduction gears.

Connection between cutter-holder shafts and conveyor with oil bath gears.

Product evacuation unit

Screen (5) with sizes from 14 to 35 mm allowing checking granules sizes.

Re-circulation

Bigger pieces are put in circle again for a further shredding.

In case of smaller screen holes, passages of product between shredding group and times increase.

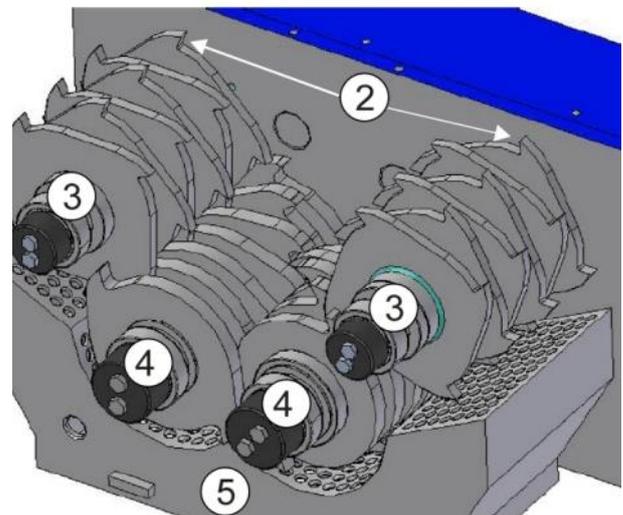
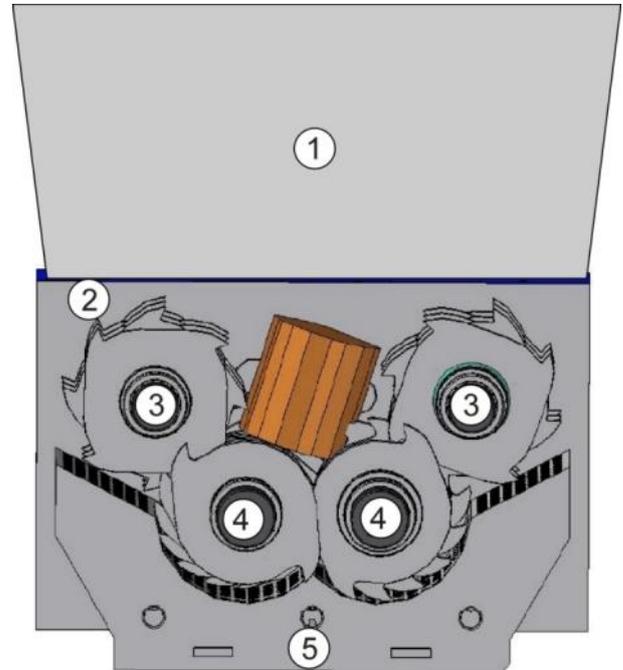
Maintenance

User can easily disassemble disk by himself.

The machine is equipped with a clear technical manual explaining how to make the operation. Easily access to mechanical parts.

Security device

It reverses temporarily cutters movement preventing structural overloading or machine breaking in case of excessive quantities to shred or material that cannot be shred. This device allows an excellent adjusting of grinding group to not penalize productivity and regular working



ISVE: INNOVATION AT FIRST!

ANTI-TORSION SHAFT

ANTI-TORSION SHAFT: sectioning, high precision mechanical production and steels high quality give to the tools-holder axes a high resistance to stresses on our "S" shredders guaranteeing a long-life

TOUCH PANEL

TOUCH PANEL: The new control unit of our "S" series shredders (series 66, 4080S and 6080S excluded) is made up of the S7-1200 SIEMENS PLC. To facilitate the programming and running of the shredders and its associated peripherals, the user can use an easy touch panel. The system has been designed to be of quick comprehension and easy to use. With a single gesture it is possible to activate loading conveyor belts, refining and suction systems. The control can be centralized and automated.

ISVE MAINTENANCE PROGRAM

ISVE MAINTENANCE PROGRAM: The control system (series 66, 4080S e 6080S excluded) allows to signal to the operator the ordinary maintenance intervention at its expiry date.

ISVE SERVER CONNECT

ISVE SERVER CONNECT: with an additional module, every machine is arranged to be connected online through the fixed net or with UMTS card (check the covering before). With this system, the functioning of the shredder is directly monitored by mother-house. There are also software uploads and online functioning parameters regulation available.

CAMERA INSIDE

CAMERA INSIDE: every machine can be provided with a little camera positioned near the cutting chamber. With "ISVE Server Connect" the video can also be seen online.

TRITOTUTTO 90S SERIES

TRITOTUTTO 80/90S

ANTI-TORSION
SHAFT

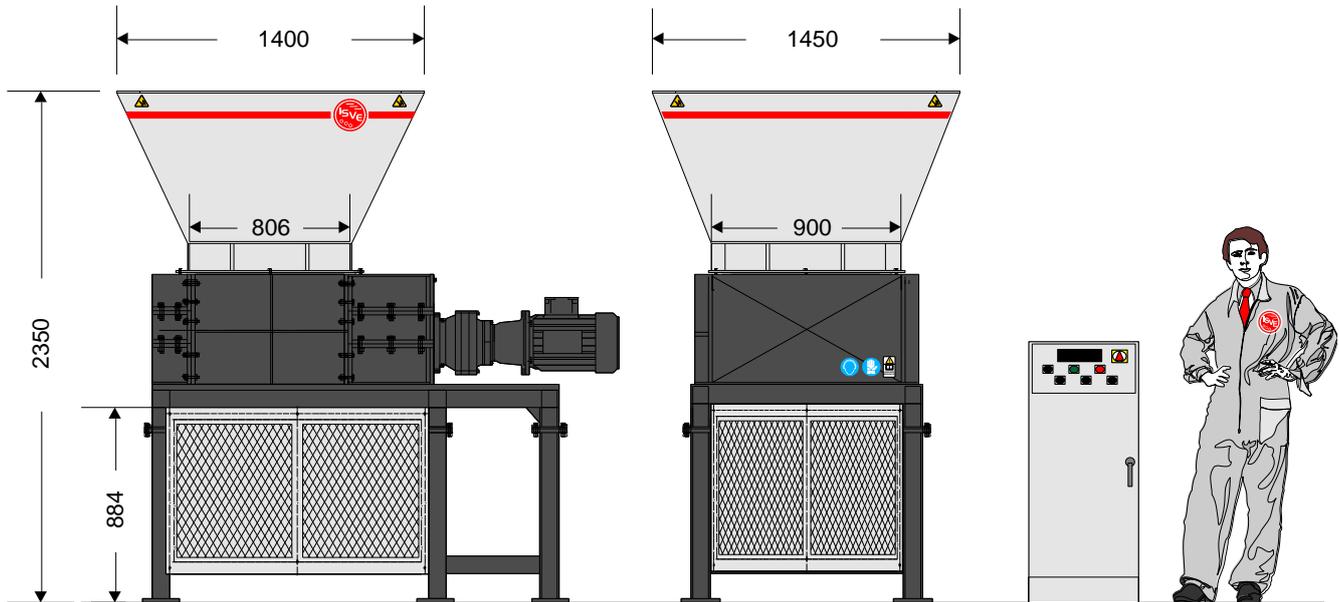
SIEMENS
CONTROL

TOUCH
PANEL

HEAVY
STRUCTURE

ISVE SERVER
CONNECT

ISVE
MAINTENANCE
PROGRAM



Main features

Cutting chamber	900x800 mm
installed power	44 KW (22 KW + 22 KW) – 60 HP (30 HP + 30 HP)
drive	by gears
n. Cutter shafts	2
n. Hardened cutters	32
n. Conveyor shafts	2
n. conveyor disks	32
n. average cutter revs./min.	18
production	0,8-1,2 t/h
safety precautions	emergency stop, hopper closed contact
manufactured to EC standards	

Accessories on demand

interchangeable hopper
interchangeable screen
base size to order

Explanatory notes

Medium sized multipurpose machine suitable for shredding an enormous number of waste materials- even very large. It can be introduced into a line to operate in continuous working.

Recommended for shredding pieces of wood even large sized, pallets, rags, plastic, leather, tyres, paper, cardboard, packaging, polyethylene banding, plastic film, PET bottles, milk bottles, different types of containers, paper documents, plastic scraps, upholstery, bumpers, small trunks, tarpaulin, etc.

SHREDDER MOD. TRITO 80/90S

Characteristics of shredder

- Very thick welded sheet steel support;
- Support for barrel roller bearings with sealing system against dust and liquids;
- Anti-wear interchangeable side plates with separating interspace of the cutting chamber from bearing-holder flanges;
- High thickness shafts with 32 special anti-wear steel cutters and 32 conveyor disks to facilitate gripping of bulky objects;
- Tools thickness 25 mm;
- Graduated arrangement of cutter teeth for better taking and cut progress;
- No.2 epicyclical reduction gears with rotation axes parallel to the cutter axis;
- No. 2 multi-voltage and multi-frequency motors of 22 KW of primary national company with PREMIUM efficiency class (IE3);
- Drive system in oil bath with steel gears and pinions;
- 800X900 mm cutting chamber;
- Interchangeable screen determining the sizes of the shredded material (**not included**);
- Electro-welded sheet metal hopper for front or top loading;
- Base equipped with no. 3 protection nets with frontal gate provided with security micro;
- Weight: 4 ton.

Characteristics of control system

- Electric switchboard complying with CEE standards, equipped with torque limiting device inverting cutters motion in case the working charge of the machine is higher than the programmed 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;
 - 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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TRITOTUTTO 100/90S

ANTI-TORSION
SHAFT

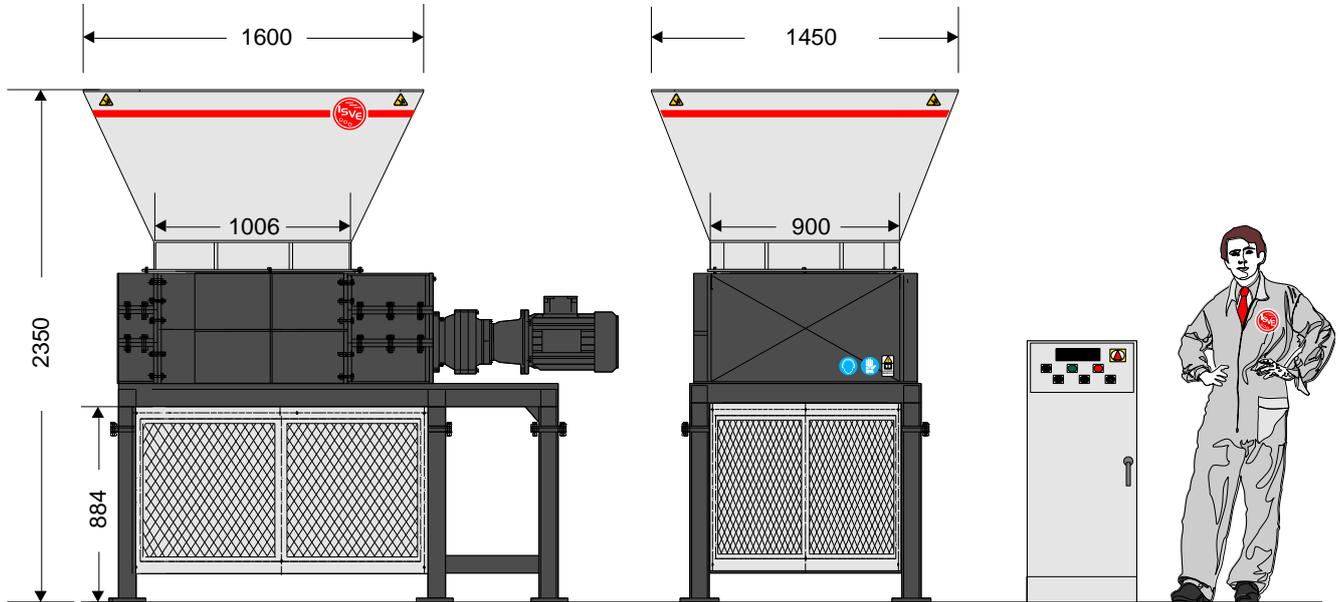
SIEMENS
CONTROL

TOUCH
PANEL

HEAVY
STRUCTURE

ISVE SERVER
CONNECT

ISVE
MAINTENANCE
PROGRAM



Main features

Cutting chamber	1000x900 mm
installed power	44 KW (22 KW + 22 KW) – 60 HP (30 HP + 30 HP)
drive	by gears
n. Cutter shafts	2
n. Hardened cutters	40
n. Conveyor shafts	2
n. conveyor disks	40
n. average cutter revs./min.	18
production	1-1,4 t/h
safety precautions	emergency stop, hopper closed contact
manufactured to EC standards	

Accessories on demand

interchangeable hopper
interchangeable screen
base size to order

Explanatory notes

Medium sized multipurpose machine suitable for shredding an enormous number of waste materials- even very large. It can be introduced into a line to operate in continuous working.

Recommended for shredding pieces of wood even large sized, pallets, rags, plastic, leather, tyres, paper, cardboard, packaging, polyethylene banding, plastic film, PET bottles, milk bottles, different types of containers, paper documents, plastic scraps, upholstery, bumpers, small trunks, tarpaulin, etc.

SHREDDER MOD. TRITO 100/90S

Characteristics of shredder

- Very thick welded sheet steel support;
- Support for barrel roller bearings with sealing system against dust and liquids;
- Anti-wear interchangeable side plates with separating interspace of the cutting chamber from bearing-holder flanges;
- High thickness shafts with 40 special anti-wear steel cutters and 40 conveyor disks to facilitate gripping of bulky objects;
- Tools thickness 25 mm;
- Graduated arrangement of cutter teeth for better taking and cut progress;
- No.2 epicyclical reduction gears with rotation axes parallel to the cutter axis;
- No. 2 multi-voltage and multi-frequency motors of 22 KW of primary national company with PREMIUM efficiency class (IE3);
- Drive system in oil bath with steel gears and pinions;
- 1000X900 mm cutting chamber;
- Interchangeable screen determining the sizes of the shredded material (**not included**);
- Electro-welded sheet metal hopper for front or top loading ;
- Base equipped with no. 3 protection nets with frontal gate provided with security micro;
- Weight: 4,5 ton.

Characteristics of control system

- Electric switchboard complying with CEE standards, equipped with torque limiting device inverting cutters motion in case the working charge of the machine is higher than the programmed 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;
 - 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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TRITOTUTTO 120/90S

ANTI-TORSION
SHAFT

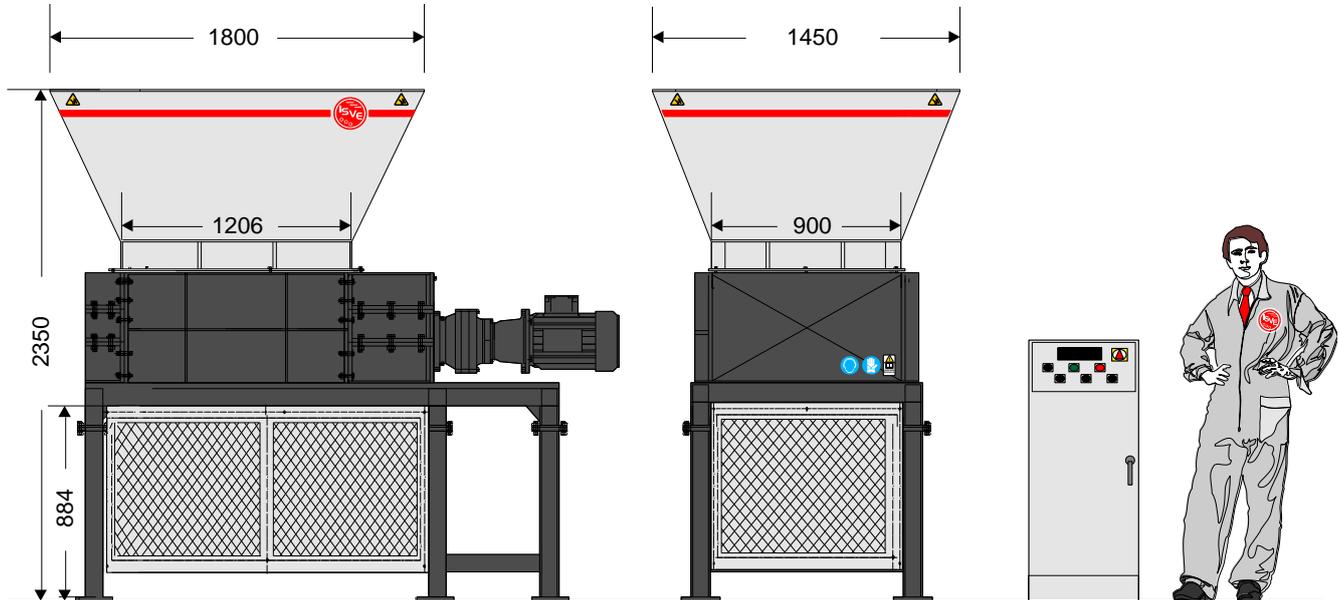
SIEMENS
CONTROL

TOUCH
PANEL

HEAVY
STRUCTURE

ISVE SERVER
CONNECT

ISVE
MAINTENANCE
PROGRAM



Main features

Cutting chamber	1200x800 mm
installed power	44 KW (22 KW + 22 KW) – 60 HP (30 HP + 30 HP)
drive	by gears
n. Cutter shafts	2
n. Hardened cutters	48
n. Conveyor shafts	2
n. conveyor disks	48
n. average cutter revs./min.	18
production	1,2 – 1,8 t/h
safety precautions	emergency stop, hopper closed contact
manufactured to EC standards	

Accessories on demand

interchangeable hopper
interchangeable screen
base size to order

Explanatory notes

Medium sized multipurpose machine suitable for shredding an enormous number of waste materials- even very large. It can be introduced into a line to operate in continuous working.

Recommended for shredding pieces of wood even large sized, pallets, rags, plastic, leather, tyres, paper, cardboard, packaging, polyethylene banding, plastic film, PET bottles, milk bottles, different types of containers, paper documents, plastic scraps, upholstery, bumpers, small trunks, tarpaulin, etc.

SHREDDER MOD. TRITO 120/90S

Characteristics of shredder

- Very thick welded sheet steel support;
- Support for barrel roller bearings with sealing system against dust and liquids;
- Anti-wear interchangeable side plates with separating interspace of the cutting chamber from bearing-holder flanges;
- High thickness shafts with 48 special anti-wear steel cutters and 48 conveyor disks to facilitate gripping of bulky objects;
- Tools thickness 25 mm;
- Graduated arrangement of cutter teeth for better taking and cut progress;
- No.2 epicyclical reduction gears with rotation axes parallel to the cutter axis;
- No. 2 multi-voltage and multi-frequency motors of 22 KW of primary national company with PREMIUM efficiency class (IE3);
- Drive system in oil bath with steel gears and pinions;
- 1200X900 mm cutting chamber;
- Interchangeable screen determining the sizes of the shredded material (**not included**);
- Electro-welded sheet metal hopper for front or top loading
- Base equipped with no. 3 protection nets with frontal gate provided with security micro;
- Weight: 5 ton.

Characteristics of control system

- Electric switchboard complying with CEE standards, equipped with torque limiting device inverting cutters motion in case the working charge of the machine is higher than the programmed 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;
 - 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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