

CRUSHERS



DESCRIPTION

The **TTC400i** crusher is a machine designed to crush long and coiled metal swarf.

It is a machine suitable for different applications, both for treatment systems and for centralised systems.

A hooked arm set in rotation inside the load hopper pre-shreds the swarf and conveys it to the actual crushing point. The crushed and shredded swarf is ejected from a specific discharge.

The **TTC400i** crusher is equipped with an automatic ejection system for non-shreddable pieces that consists in a side drawer controlled by two air cylinders.

The unit is driven by a hydraulic motor powered by a hydraulic control unit fitted with 11 kW electric motor.

The reduction efficiency of the swarf volume and the hourly output of the **TTC400i** crusher can be evaluated with experimental tests on your swarf at the headquarters of the company FAMA s.r.l.

SWARF CHARACTERISTICS & TECHNICAL NOTES

- The long swarf can appear scattered or in skein agglomerations
- The swarf can be made of steel, iron, alloy steel (stainless), copper, brass (ecobras), aluminium
- The swarf may contain some sporadic pieces (bar ends or headers, processed parts, ...) which depending on the size will be shredded or automatically ejected
- The loading process can be dosed by channel or by tipping from a container

SUPPLY

- Structure and case made of sturdy painted metalwork
- Blades and crushing counter blades in wear-resistant material
- Automatic piece ejection system
- Alternating direction crushing system
- Uncoiler arm to convey the swarf to the crushing inlet
- Storage hopper for swarf loading with inspection door and enabling microswitch
- Hydraulic motor with 11 kW hydraulic control unit
- Electric panel

OPTIONAL

- Storage hopper for swarf loading with mirror
- Storage hopper for swarf loading with laser level sensor



LONG AND TANGLED SHAVINGS



SMALL SIZE



PIECE EJECTION

FAMA RESERVES THE RIGHT TO MAKE CHANGES TO THE PRODUCT WITHOUT NOTICE

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APPLICATION ANALYSIS EXAMPLE

From a skein-type steel sample of 400 lt, a volume of 80 lt was obtained after the shredding process. The reduction of occupied volume was 80%.



STORAGE HOPPER

Different types of hoppers can be installed on the top of the crusher, depending on the desired "buffer" volume and loading methods.

Each storage hopper is complete with inspection door with safety microswitch and mechanical closure to access the shredding area.

For the safety of personnel, with loading height less than 2.5 m, it is possible to install an automated closing system of the loading mouth, which prevents the crusher from working, when open.

TECHNICAL DATA

DIMENSIONS	1125x700xH1425 mm
WEIGHT	400 + 350 kg
POWER	11 kW
VOLTAGE	230/400 V
POWER SUPPLY	Continuos
RPM	63 rpm

HOURLY PRODUCTION

Q = 0,6 mc/h	BRASS	STEEL	ALUMINIUM	STAINLESS STEEL	COPPER	CAST IRON
Δ density [kg/dm3]	0,5	0,5	0,2	0,5	0,6	-
kg/h	320	400	200	400	320	-

The data in kg/h are approximate and in any case depend on the density of the swarf, the shape, the type and the thickness. The density data considered are hypothetical, based on an experimental average of the data in our possession. It is preferable to avoid a situation whereby there is swarf inside the hopper in a quantity above 150-200 lt.

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