



DIMENSIONS	1200X 630 X h920 mm
WEIGHT	300 kg
POWER	3 kW
VOLTAGE	230/400 V
LOADING	continuous
NUMBER OF REVOLUTIONS	60 rpm



DESCRIPTION

The TTC200 crusher is a machine conceived and designed to shred long and skein-type metal swarf. It is a machine suitable for different applications, both for small treatment systems and for single machine tools.

Its small size allows application on the machine. The swarf loaded in the hopper is dismembered by a hooked arm which performs pre-shredding and conveys the swarf to the actual grinding point. The skein is then shredded and discharged from below. If there is a non-shreddable piece that interferes with the process, the machine, after three attempts to grind it, automatically ejects it from a side drawer, controlled by two hydraulic cylinders. The unit is provided with a 3 kW motor.

HOURLY PRODUCTION [m3/h] AND THE REDUCTION PERCENTAGE DEPEND ON THE TYPE OF SWARF

SUPPLY

- Structure and casing made of sturdy painted metal carpentry;
- Blades and anti-wear shredding counter-blades, easily replaceable;
- Automatic ejection system for non-shreddable pieces, with electro-pneumatically controlled opening;
- Alternating direction shredding system;
- Arm to convey the swarf to the shredding inlet;
- Force control clutch;
- Tipping system for diverting ejected pieces;
- Standard 3 kW motor.

OPTIONAL

- Storage hopper for swarf loading, with inspection door;
- Automated hopper closure lid and consent microswitch;
- Electrical control panel.

HOURLY PRODUCTION						
Q = 4 m3/h	BRASS	STEEL	ALUMINIUM	STAINLESS STEEL	COPPER	CAST IRON
Δ density [kg/dm3]	0.45	0.65	0.15	0.4	0.25	-
Kg/h →	150	200	60	100	100	-

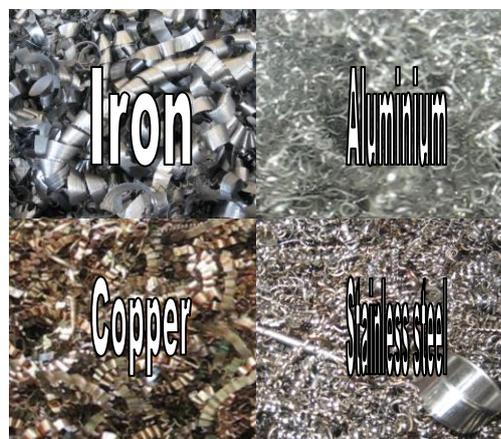
THE DATA IN kg/h ARE APPROXIMATE AND IN ANY CASE DEPEND ON THE DENSITY OF THE SWARF, THE SHAPE, THE TYPE AND THE THICKNESS. THE DENSITY DATA CONSIDERED ARE HYPOTHETICAL, BASED ON AN EXPERIMENTAL AVERAGE OF THE DATA IN OUR POSSESSION. IT IS PREFERABLE TO AVOID A SITUATION WHEREBY THERE IS SWARF INSIDE THE HOPPER IN A QUANTITY ABOVE 150-200 LT.



TTC200

SWARF CHARACTERISTICS & TECHNICAL NOTES

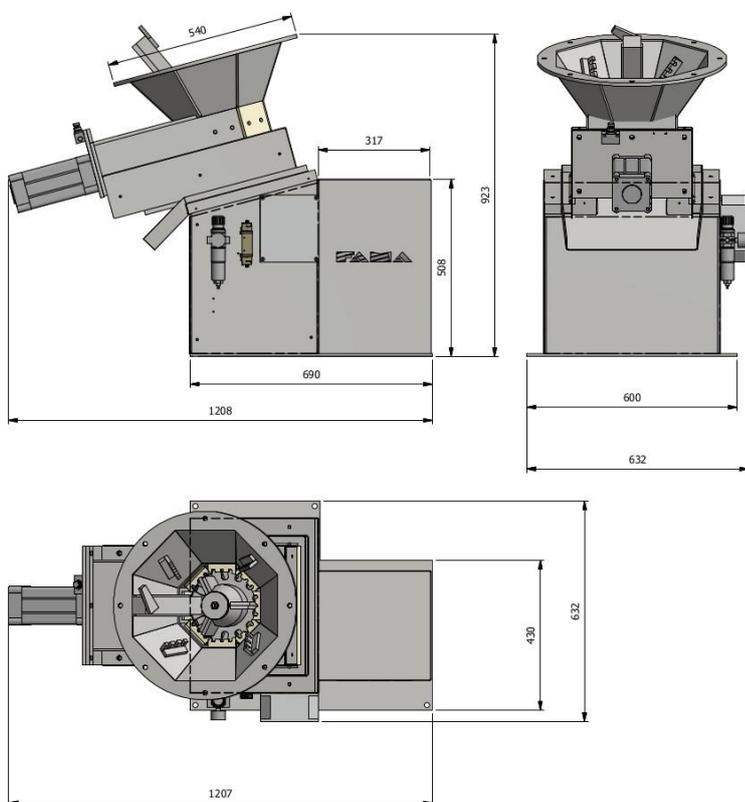
1. The long swarf can appear scattered or in skein agglomerations;
2. The swarf may contain some sporadic pieces (bar ends or headers, processed parts, ...) which depending on the size will be shredded or automatically ejected;
3. The presence of pieces is not a problem for the shredder but slows down its hourly production.
4. The loading process can be dosed by channel or by tipping from a container.
5. To confirm the production and volume reduction data, it is necessary to perform a specific test with the swarf in question. On the basis of that the machine is calibrated;
6. The rotor and the skein dismembering shaft are replaceable;
7. The number and shape of counter-blades to be applied to the shredder container and to the hopper depend on the type of swarf.



APPLICATION ANALYSIS EXAMPLE

FROM A SKEIN-TYPE STEEL SAMPLE OF 150 LT, A VOLUME OF 50 LT WAS OBTAINED AFTER THE SHREDDING PROCESS.

THE REDUCTION OF OCCUPIED VOLUME WAS 65%



STORAGE HOPPER

Different types of hopper can be installed on top of the shredder, depending on the desired "lung" volume and loading methods. The hopper is complete with inspection door with safety microswitch and mechanical closure.

