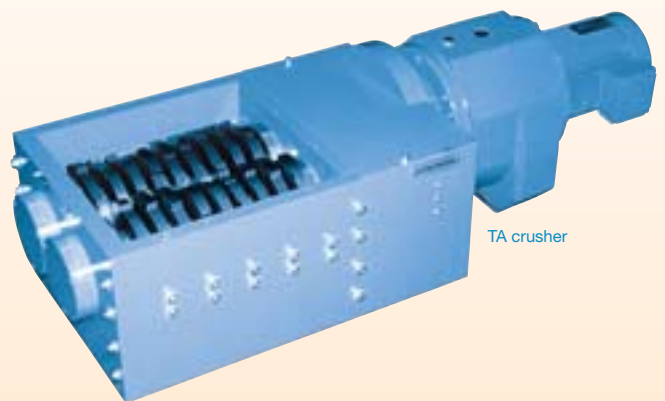
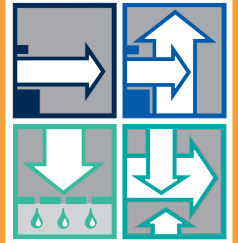
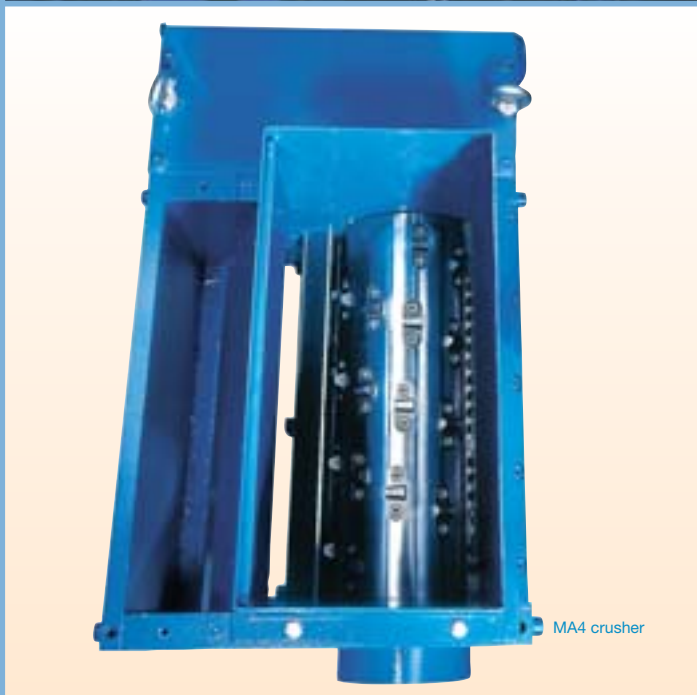


# SWARF CRUSHERS

The first step towards economic processing of  
metal chips and swarf



TA crusher

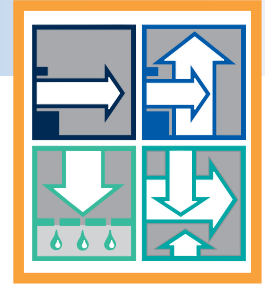


MA4 crusher



... as single units or systems solutions

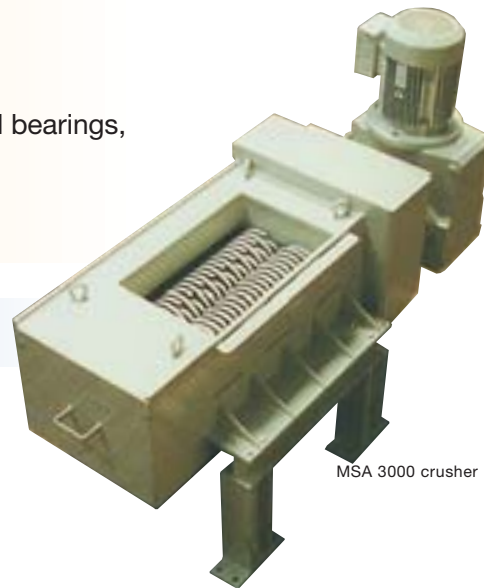
... from one source



## The advantages of the Mayfran chip crushers

Mayfran chip crushers

- ... operate in automatic mode
- ... are easy to service and repair due to over-dimensioned bearings, shafts and couplings
- ... which lead to an extended service life



MSA 3000 crusher

### MSA SYSTEM CRUSHER

The "big brother" of the TA series with automatic tramp part ejection is designed for very large clusters of hard and brittle swarf.



VC crusher 600 and 1200

### VC-CRUSHER

**For the intermittent (batch) chip supply**

Larger bundles of swarf can be dumped directly into the crusher for processing. The crusher with vertical grinding gear (normal or fine) is especially well suited for the size reduction of tough material and may be equipped with automatic coarse part ejection.

### Max. throughput\*\* for chip crusher kg/h

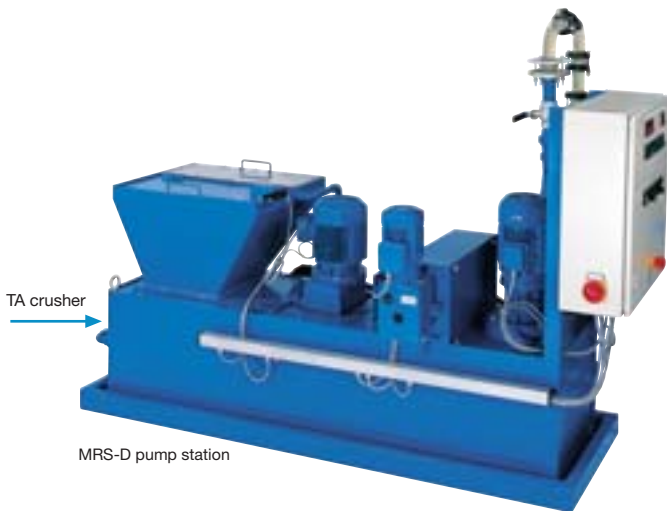
Material	Specific weight t/m <sup>3</sup>	TA3	TA4	MA3	MA4	MA5	MSA 3000	MSA 4000	VC-600	VC-800	VC-1200
Steel	0,3	360*	600*	140*	240*	600	700	1500	1500	2500	10000
V2A steel	0,3	— depending on tests		—		300	4000	dep.	750	1250	4000
Aluminium	0,08	90*	150*	35*	60*	200	175	400	500	1000	2500

\* For chips crushed to pumpable size (< 5 mm), this value is reduced to 1/6.

\*\* All values depend on size, shape and comminution degree of the chips.

## MAYFRAN Swarf-Crushers

### A versatile product range ...



#### TA CRUSHER



**The island solution for 1 - 3 machine tools**

2-roll crusher, installed in the machine pump station and designed for hard and brittle materials. Suited for small quantities which are fed continuously. Compact design with over-dimensioned bearings, shafts and coupling.



Aluminium chips

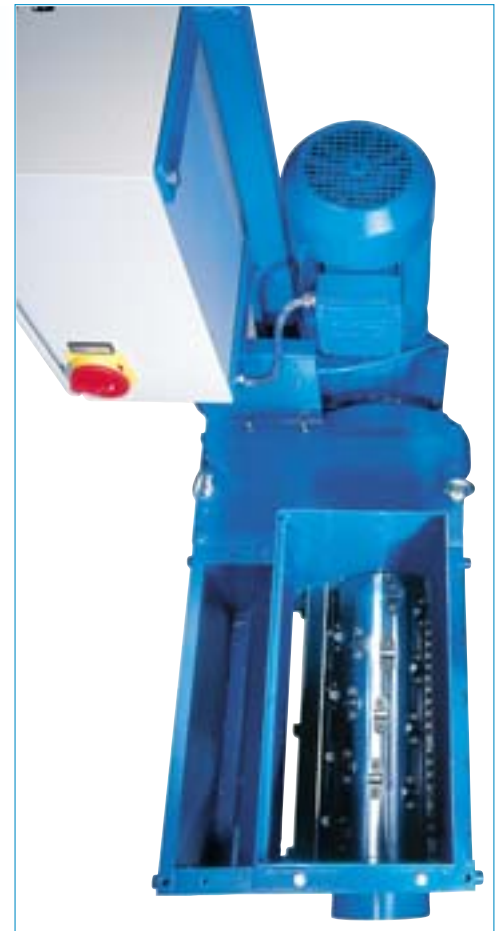


Crushed chips

#### MA CRUSHER

##### New MA 4 Crusher

The patented **single roll crusher with automatic ejection of tramp parts**. Particularly suited for use in pump stations for chips and coolant. Compact and solid design offering the high quality features of Mayfran equipment.



### Reasons for chip crushing

- Lower transport volume (up to 15 % of the original volume can be achieved)
- Size reduction of swarf for subsequent centrifugation (drying of chips) and recovery the coolant from the chips
- Size reduction of chips for handling in over the floor-mounted return pump systems for the transport of chips and coolant
- Size reduction of the chips to feed them into briquetting presses



# Serving Global Markets



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