

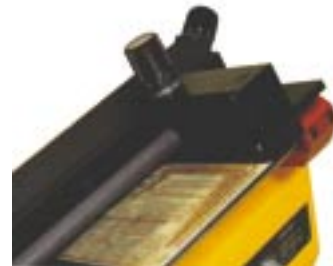
SCHALLBERGER FACETTE STAR 500

Chamfering Machine

With sliding table and infinitely variable cutting speed

Features

- To deburr and chamfer safely, efficiently and precisely without creating new burrs on the machined edges, on single piece or batch produced parts in manufacturing or assembly plants.
- Using it next to the production machine reduces extra time and thereby overall cost.
- The sliding table system eliminates scratches on the workpiece surface because it remains firm on the table while travelling across the cutter head.
- The table is supported by linear ball bearings allowing easy, uniform movement of workpieces up to 20kg (44lbs) across the tooling eliminating chatter and the need for repetitive operations.
- *Table made of heat treated steel plates.*
- If it is necessary to chamfer work pieces with edges longer than 500mm (19½"), the sliding table can be clamped in place and pieces of any length may be fed along the stationary table.
- The heavy duty, *maintenance-free medium frequency motor* allows for milling of chamfers up to 5 mm (.2") in one pass.
- The *cutter head speed is infinitely variable* to provide optimum cutting speed for various materials and to obtain excellent surface quality of chamfers.
- Chamfer height infinitely adjustable from 0 to 5mm (.2") by means of a micrometer screw.
- Precision linear ball bearing guide adjacent to the cutting tool keeps chamfer height very accurate.
- For safety reasons, a proximity switch breaks the circuit and stops the motor when lifting the sliding table; the motor can only be restarted when the table is reset to the working position and the rotary switch is turned to '0'.
- Tool changing is simplified with easy access to the cutter head by lifting the sliding table and loosening just one screw.
- Chips can be collected either in an individual bin or through a built-in suction device (optional equipment).



Hold down with pre-load to clamp thin material up to 5 mm (.2") thick
p/n 923.500.300



Gauge to square small items (standard access)
p/n 923.500.031

Application

The machine is well suited for single piece and batch production in the tool room and machine shops for precision fabrication of steel, stainless steel, aluminium, other non-ferrous and plastic materials, also hardened steel with grinding wheel.

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Cutter Head

5 teeth for round inserts
p/n 923.419.000

Round Inserts Ø 12 mm

- carbide, for universal use p/n 923.419.100
- coated carbide, grade for stainless and other alloyed steels p/n 923.419.140
- HSS TiN-coated, rake angle 20° pos. for stainless and alloyed steels p/n 923.419.115
- HSS TiN-coated, rake angle 30° pos. for aluminium, copper, synthetics p/n 923.419.116



Cutter Head

4 teeth for square inserts
p/n 923.500.050

Square Carbide Inserts

- grade for universal use p/n 913.052.702
- grade for aluminium, brass, synthetics, cast iron, etc. p/n 913.052.710
- coated carbide, for stainless and other alloyed steels p/n 913.052.740
- diamond tipped, for use on aluminium, brass, synthetics, printed circuits p/n 913.052.721



CBN Grinding Head

p/n 923.500.150

- electroplated, to chamfer heat treated steels above hardness RC57°

Standard accessories

Bench type machine

- 1 p/n 923.419.000
Cutter head
- 5 p/n 923.419.100
Carbide Inserts
- 1 p/n 923.500.031 Gauge
- 1 Moulded cable assembly
- 1 Set of wrenches

Machine on trolley

- 1 p/n 923.419.000
Cutter head
- 5 p/n 923.419.100
Carbide Inserts
- 1 p/n 923.500.150
Grinding head
- 1 p/n 923.500.031 Gauge
- Trolley with drawer
and suction device
- 1 Moulded cable assembly
- 1 Set of wrenches

Technical Data

	EUROPE	USA
• Power supply	230 V, 50 Hz	110 V, 60 Hz
• Motor power rating: input	650 Watt	650 Watt
output	500 Watt	500 Watt
• Cutter speed, continuously variable	1200 to 8000 RPM	1200 to 8000 RPM
• Chamfer height, infinitely adjustable	0.1 to 5 mm	0.004" to 0.2"
• Surface area, length	760 mm	30"
width	125 x 50 mm	5" x 2"
• Stroke of sliding table	500 mm	19 11/16"
• Workpiece: thickness min.	1 mm	0.040"
weight max	20 kg	44 lbs
• Net weight approx.	51 kg	128 lbs
p/n for bench type machine	923.400.500	923.400.550
p/n for machine on trolley	923.400.505	923.400.555

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