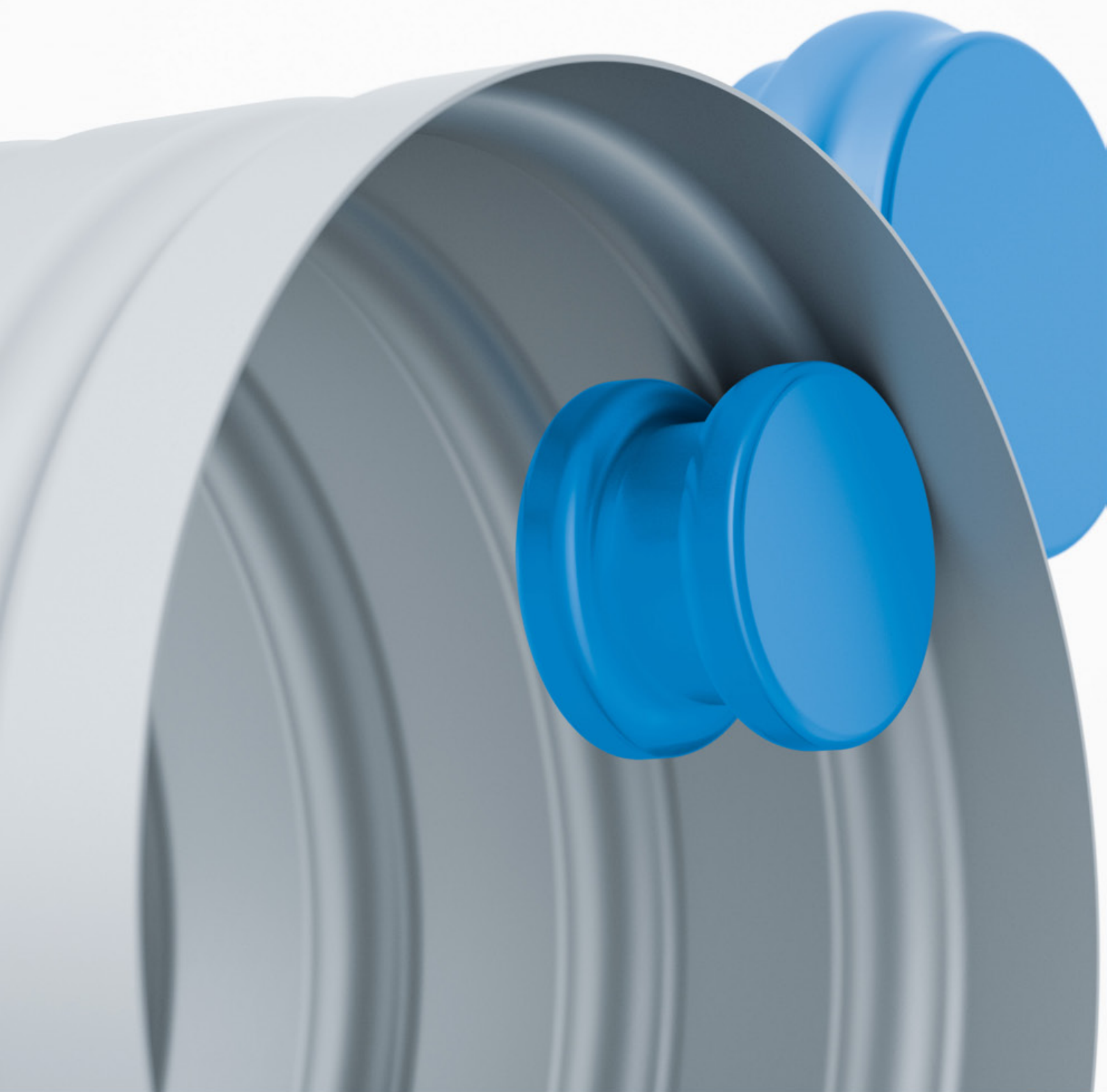


Sheet Metal Men

Trimming-beading Machines



Sheet Metal Men

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SHEET METAL WORKING MACHINES

SHEET METAL MEN is a leader in the field of design and manufacture of sheet metal processing machines and installations.

We produce a broad range of machines. Our many machines and the experience we have gained in this field mean we can meet all needs and provide a variety of solutions within the following sectors:

- Ventilation.
- Agriculture and gardening.
- Automotive.
- Household goods and electric appliances.
- Lighting.
- Heating.

SHEET METAL MEN provides its customers with a vast range of machines suitable for any number of applications, including:

- Trimming-beading machines for round and polygonal items.
- Hydraulic presses: for sheet metal stamping and drawing, high resistance steel hot stamping, components assembly, sheet straightening.
- Testing machines: machines for testing oil filters, machines for testing flange welding, machines for leak-testing expansion tanks.
- Special machines customized according to our customer's specific requirements: transfer, plate package tilters, marbling machines, screw guns.

Listening, understanding and meeting the needs of customers. These are our priorities. At all times.

We provide appropriate, technologically advanced, flexible, cost-effective solutions to meet your needs as a manufacturer. Our solutions target the most complex and challenging needs arising within the marketplace.

Together with our customers, we study and develop the most suitable solutions for each application.

We provide customers with assistance in the fields of industrialization and the construction of machines and equipment.

Ongoing liaison and teamwork with our customers provide the motivating force for research into new technical solutions, development of new sheet-metal working machines, and enhanced quality and reliability standards.

Customers can rely on the skills and services of our company's staff for all needs and for advice on the most cost-effective designs and methods for manufacturing sheet metal parts.



.01

TRIMMING-BEADING MACHINES

SMM trimming-beading machines enable simple, rapid performance of a broad range of working operations, such as beading, trimming, flanging, curling, and lock-seaming, on round and/or polygonal section flat or drawn sheet metal elements.

All trimming-beading machines may be equipped with specific working units (pneumatic, hydraulic and/or brushless electric systems), according to the type of work to be done.

The company also manufactures special trimming-beading machines designed according to customer specifications, automated to varying degrees.

The standard machines are equipped with:

- Hydraulic drive with built-in power pack, heat exchanger.
- Presser unit.
- Ejector unit.
- Gear-motor motorized spindle, speed control with inverter.
- PLC management of the cycles, two-hand control panel with touch screen.
- Safety guards on three sides.
- Safety light curtains in front side.
- Semi-automatic mode function (manual loading/unloading of items).



Sheet Metal Men

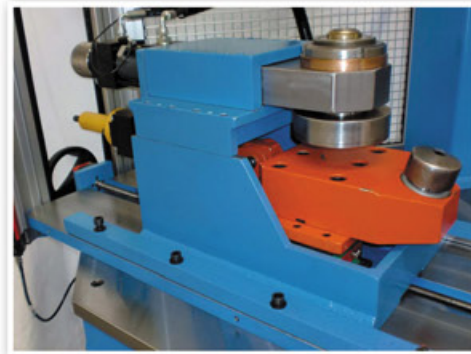
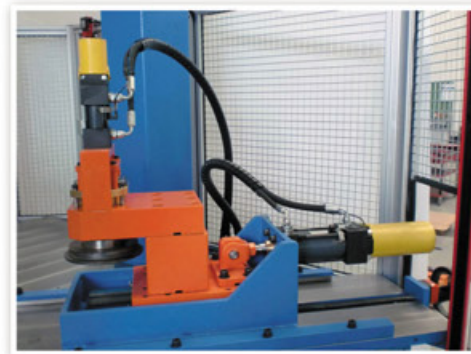
Trimming-beading Machines

On request the machine can be equipped with electronic control (C.N.) working units, scraps ejection systems, production line interface with robot, automatic loading/unloading.

All machines are designed and constructed in conformity with international standard safety laws (CE) and according to customer specifications. Clearly written, understandable documentation is provided with each machine, with many drawings, diagrams and plans useful to operators.

Type of working operations:

- Horizontal/vertical trimming.
- Internal/external beading.
- Internal/external ribbing.
- Internal/external curling.
- Internal/external flanging.
- Lock-seaming 3 or 5 thicknesses.
- Assembling of parts made of different material.
- Threading.
- Turning/deburring.



TECHNICAL SPECIFICATIONS

MODEL	SMM 400R	SMM 400P	SMM 700R	SMM 700P	SMM 1000R/P	SMM 1600R/P
Max working diameter or diagonal	400	400	700	700	1000	1600
Standard spindle speed	100-400	20-80	50-150	5-60	10-120	4-80
Number of working units	3	3	3	3	4	4
Type of working unit	Pneumatic or hydraulic	Pneumatic or hydraulic	Pneumatic or hydraulic	Pneumatic or hydraulic	Pneumatic or hydraulic	Pneumatic or hydraulic
Installed power	4 kW	4 kW	5.5 kW	5.5 kW	7.5 kW	7.5 kW



.02

EXAMPLES



RECTANGULAR BOX

M: normal steel / 0,8 mm thickness
D: 300 x 220 mm
O: trimming



RECTANGULAR BOX

M: normal steel / 1,0 mm thickness
D: 200 x 160 mm
O: inside flanging



RECTANGULAR BOX

M: aluminium / 2,00 mm thickness
D: 270 x 270 mm
O: beading and trimming



EXPANSION TANK

M: normal steel / 1,5 mm thickness
D: 500 x 210 mm
O: lock-seaming the two halves together, clamping the inner rubber sheath in between



WHEELBARROW

M: mild steel / 1,5 mm thickness
D: 800 x 580 x 230 mm
O: edge trimming and beading



ENDPLATE POLYGONAL SILENCER

M: zinc steel / 1,5 mm thickness
D: 800 x 600 mm
O: trimming



SHEET POLYGONAL SILENCER

M: zinc steel / 1,5 mm thickness
D: 800 x 600 mm
O: flanging



POLYGONAL SILENCER

M: zinc steel / 1,5 mm thickness
D: 800 x 600 mm
O: lock-seaming



CONTAINER CAP

M: stainless steel / 0,8 mm thickness
D: Ø 200 mm
O: semi-curling the edge and threading



MILK CONTAINER

M: stainless steel / 1,0 mm thickness
D: Ø 300 mm
O: semi-curling the edge and threading

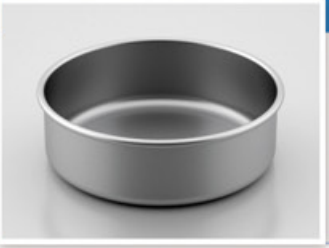
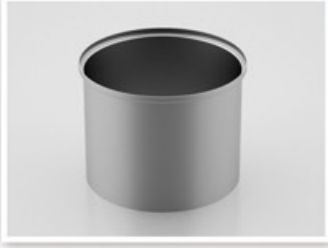
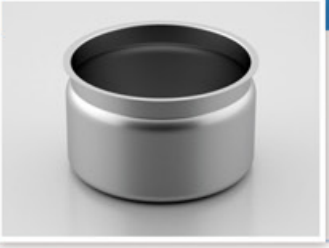
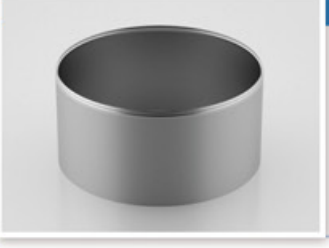
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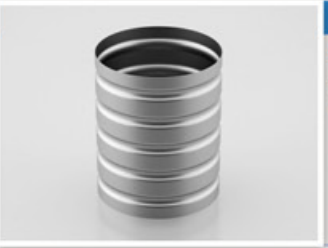
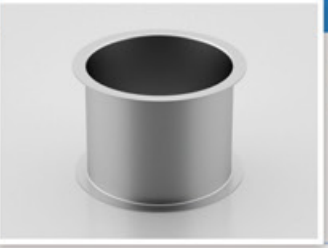
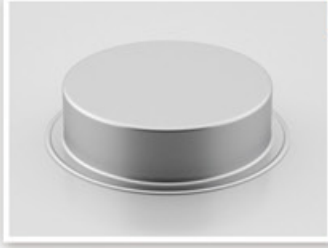
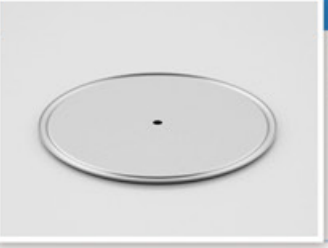
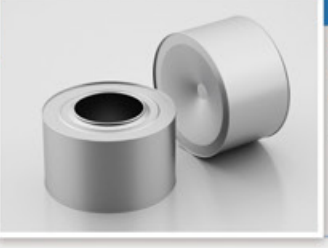
M: Material
D: Dimensions or Diameter
O: Operation

Sheet Metal Men

Trimming-beading Machines

EXAMPLES

	TEA CONTAINER <i>M:</i> stainless steel / 0,8 mm thickness <i>D:</i> Ø 128 mm <i>O:</i> trimming and beading		COOKING POT <i>M:</i> stainless steel / 2,0 mm thickness <i>D:</i> Ø 300 mm <i>O:</i> trimming
	POT LID <i>M:</i> aluminium - stainless steel / 0,6 - 1,0 mm thickness <i>D:</i> Ø 100 ÷ 300 mm <i>O:</i> beading, trimming and deburring		COOKING POT <i>M:</i> stainless steel / 2,0 mm thickness <i>D:</i> Ø 300 mm <i>O:</i> curling
	BEER KEG <i>M:</i> stainless steel / 1,5 mm thickness <i>D:</i> Ø 250 ÷ 390 mm <i>O:</i> trimming and beading		CONTAINER <i>M:</i> normal steel / 3,0 mm thickness <i>D:</i> Ø 207 mm <i>O:</i> trimming
	CONTAINER <i>M:</i> normal steel / 2,0 mm thickness <i>D:</i> Ø 325 mm <i>O:</i> trimming and beading		CONTAINER <i>M:</i> stainless steel / 1,0 mm thickness <i>D:</i> Ø 230 mm <i>O:</i> trimming and beading
	CONTAINER <i>M:</i> normal steel / 1,0 mm thickness <i>D:</i> Ø 220 mm <i>O:</i> ribbing		TANK <i>M:</i> stainless steel / 1,0 mm thickness <i>D:</i> Ø 440 mm <i>O:</i> trimming and beading

	OIL FILTER <i>M:</i> normal steel / 2,0 mm thickness <i>D:</i> Ø 115 mm <i>O:</i> trimming and beading		NUCLEAR WASTE CONTAINER <i>M:</i> stainless steel / 2,3 mm thickness <i>D:</i> Ø 800 mm <i>O:</i> ribbing and trimming
	LAMP BODY <i>M:</i> normal steel / 1,0 mm thickness <i>D:</i> Ø 112 mm <i>O:</i> ribbing		FLANGED DRUM <i>M:</i> normal steel / 5,0 mm thickness <i>D:</i> Ø 1800 mm <i>O:</i> flanging, turning and beading
	TANK BOTTOM END <i>M:</i> normal steel / 2,0 mm thickness <i>D:</i> Ø 280 mm <i>O:</i> beading		TANK BOTTOM END <i>M:</i> normal steel / 2,0 mm thickness <i>D:</i> Ø 280 mm <i>O:</i> trimming and beading
	DRUM <i>M:</i> normal steel / 2,5 mm thickness <i>D:</i> Ø 300 mm <i>O:</i> flanging and ribbing		COIL FLANGED <i>M:</i> mild steel / 3,0 mm thickness <i>D:</i> Ø 1200 mm <i>O:</i> beading
	FRONT PLATE OF THE INNER WASHING MACHINE DRUM <i>M:</i> stainless steel / 1,5 mm thickness <i>D:</i> Ø 500 mm <i>O:</i> curling of the inner edge		INNER WASHING MACHINE DRUM <i>M:</i> stainless steel / 0,5 mm thickness <i>D:</i> Ø 450 mm <i>O:</i> lock-seaming of the front and rear plates with the body

KEY

M: Material
D: Dimensions or Diameter
O: Operation

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