Wammes Machinery LW GmbH
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Modular duct line with plasma

MCL Ultra Plasma

WAMMES MCL Ultra Plasma – modular duct line with plasma that produces rectangular ducts from the coil and first plasma-cuts openings for takeoffs, holes for tie rods and short ducts, up to 1,500 mm sheet width and 1.25 mm thickness. The software nests short ducts across the coil width to reduce waste. Siemens control and Hypertherm plasma source are integrated; service comes from Wiebelsheim, Germany.



up to 1,500 mm
Sheet width from coil

0.4 – 1.25 mm
Sheet thickness (galv. steel)

up to 5,000 kg
Coil weight

1,100 mm
Cutting table travel

Technical data

Duct production

Shapes	**I, L, U, box, box a/2, round-duct blank**
Seam allowances	**freely set, 90° hem**
Side length	**from 100 mm**
Box	**from 140 × 140 mm, option 100 × 100**
Maximum duct size	**not restricted**
Duct length	**up to 1,500 mm**
Stiffening	**Z; V and trapezoidal as option**

Cutting module

Openings	**rectangular, round, oval**
Holes	**for tie rods**
Short ducts	**nested**
Cutting table	**travel 1,100 mm**
Plasma	**Hypertherm Powermax SYNC**
Extraction	**in the table, with filter**
Control	**own, working together**

Material and coil

Galvanised steel	**0.4 – 1.25 mm**
Stainless steel	**0.4 – 0.6 mm**
Aluminium	**0.6 – 1.25 mm**
Special version	**up to 2.0 mm**
Coil weight	**up to 5,000 kg**
Coil width	**100 – 1,500 mm**
Coil Ø inside	**508 mm**
Coil Ø outside	**up to 1,000 mm**
Coil selector	**4 coils (6 as option)**

Connection and dimensions

Mains	**400 V · 50 Hz · 3/N/PE · 25 A**
Drive	**4 kW hydraulic**
Compressed air	**210 l/min · 7.6 – 8.3 bar**
Control	**Siemens S7 with control panel**
Weight	**depending on configuration**
Floor space	**depending on configuration**
Colour	**RAL 5003 / RAL 1003**

Output

one job with 7 ducts, closed from coil, without flanges

Producing the ducts on the line	**4:15 min**
Seaming and closing	**3:00 min**
Total	**7:15 min**

Standards

Rectangular ducts with dimensions to EN 1505 and strength and leakage to EN 1507.

Further options

- Decoiler 5 t
- Decoiler frame for 4 or 6 decoilers
- Sealant pump
- Coil selector for 6 coils
- V and trapezoidal bead
- Special version

Scope of delivery

- ✓ Drive unit with straightener (7 rolls) and Z bead
- ✓ Cutting module: cutting table, Hypertherm plasma source, extraction in the table
- ✓ Folding station with shear and intermediate frame
- ✓ Coil selector for 4 coils
- ✓ Hydraulic power pack
- ✓ Siemens control with control panel, data transfer via LAN or WLAN
- ✓ Software for job and article management with nesting
- ✓ Decoilers as configured

The scope of delivery may vary depending on the order.

Advice and quotation

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More on the machine page

How it works, production example, video and FAQ: see the machine page
Service and spare parts from Wiebelsheim, Germany

Machine page ›

Subject to technical changes. The details in the quotation are binding.