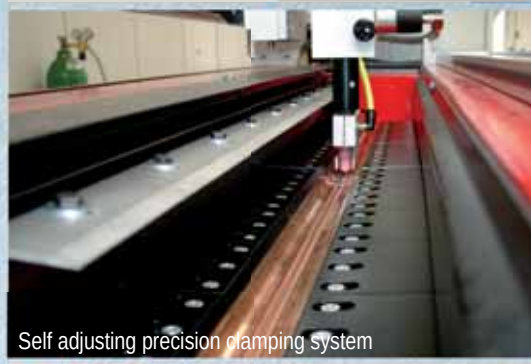




System controller FCU-100



Siemens OP 77 (option)



Self adjusting precision clamping system



Mechanical security mandrel latch

Clamping benches FCP 600/1100/1600

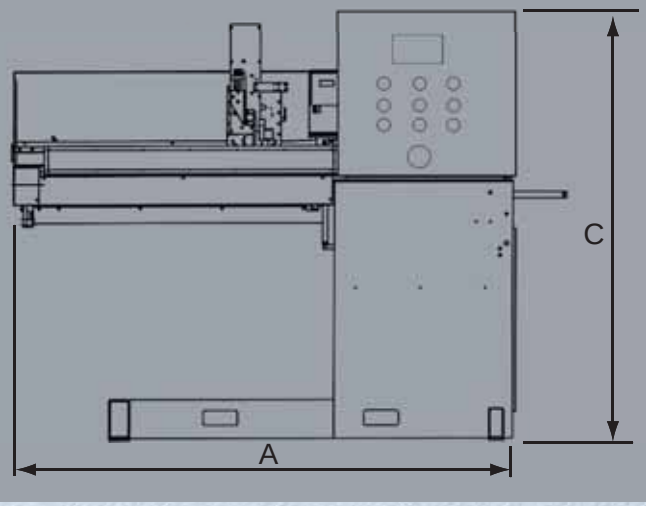
Pneumatic clamping benches type 1

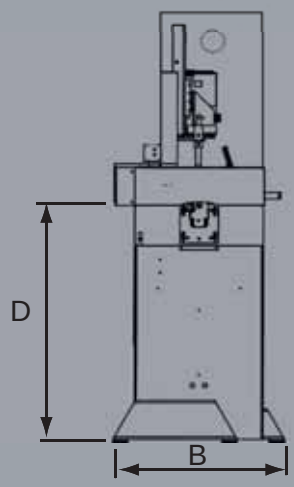
Standard equipment
System controller FCU-100
Compact drive section with toothed belt-drive
Enclosed driving system
Drive via flanged DC-motor with tacho and incremental encoder
Speed range 5 - 400 cm/min (way-measuring system)
Pneumatic torch motion, (stroke distance 75 mm)
Manual support 50 x 50 mm (height and side)
SePneumatic central jigs (nitraded)
Stainless steel-cover for the clamping system
Backing gas track with groove structuring according to the thickness of the welded material
Mechanical security mandrel latch (initiator controlled)
Dual energy chain, seperated for torch and other lines

Pneumatic central unit integrated inside the machine incl. backing- and carrier gas valves
Gas-cylinder holder (3 pcs.-50l) mounted on machine-body

System mechanical adjusted, function proofed assembled (drive, pneumatic, sensors, power source, etc.)

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PERFECT WELDING





Recommended areas of use
Longitudinal welds of boilers, tanks, pipes, sheet panels, filters, ...
TIG, Plasma

- Plant-, boiler-, machine-, steel, pipe construction
- Automotive- and sub contractor industry
- Chemical industry
- Aerospace/ Aeronautics
- Shipbuilding/Offshore
- Construction of rail vehicles, construction machinery
- Special vehicle construction
- Industrial plants and pipe construction

Recommended materials
Steel, special steels, titanium, inconel, aluminium,...

Options and accessories
Siemens OP 77B system controller
Power source-sets TIG, Plasma
I-kit Rob 3000, CANopen (FCU-100), Profi-bus (OP 77B),
Wire feeder TIG (only FCP 600-1); attention: can not be mounted on the carriage!
Water re-cooler
Carrier gas drag acc. to the torch type

Customized versions:
Special mandrel with diameter steps, stainless steel backing bar/ clamp fingers, shielding-gas track according to the materials type, additional backing bar, special welding length, height adjustment, idler unit for workpiece, bring-in carriage

Technical data	FCP 600/1	FCP 1100/1	FCP 1600/1
Mains voltage/frequency	230/400 V / 50 Hz	230/400 V / 50 Hz	230/400 V / 50 Hz
Power consumption	0,5 kVA	0,5 kVA	0,5 kVA
Max. welding length	600 mm	1100 mm	1600 mm
Min. workpiece diameter	60 mm	90 mm	130 mm
Max. workpiece diameter	800 mm	800 mm	800 mm
Min. material thickness	0,3 mm	0,3mm	0,3 mm
Max. material thickness	3,0 mm	3,0 mm	3,0 mm
Dimensions:			
• A	2000 mm	2500 mm	3000 mm
• B	1160 mm	1160 mm	1160 mm
• C	1700 mm	1700 mm	1700 mm
• D (welding height)	1120 mm	1120 mm	1100 mm
Required compressed air	6-10 bar	6-10 bar	6-10 bar
Net weight	530 kg	580 kg	780 kg

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PERFECT WELDING

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