



System controller Siemens OP 270


Pneumatic central jigs (one continuous piece)


Einzeln ansteuerbare Spannbacken (über Pneumatikzylinder)

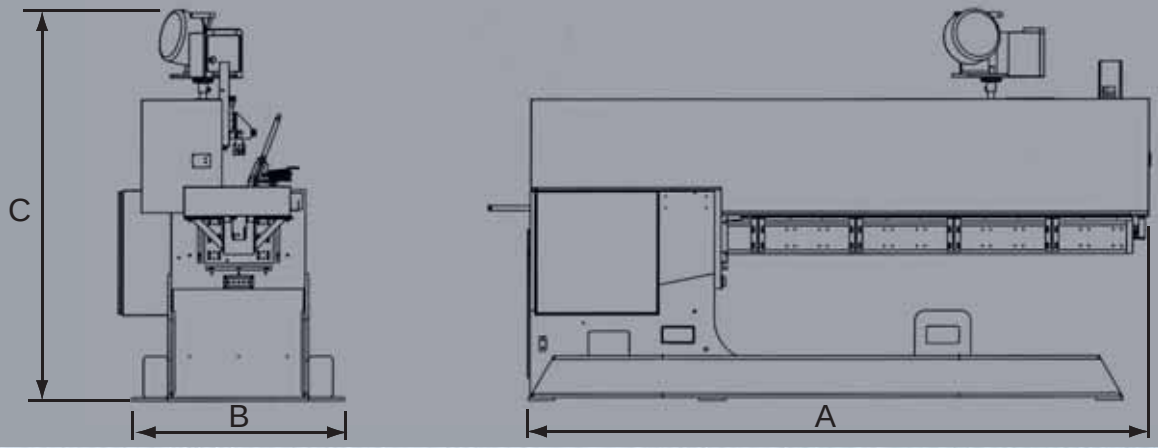
Clamping benches FCP 2100/5 ES

Pneumatic clamping bench type 5

Standard equipment
System controller OP 270
Compact heavy-duty carriage with steel-alu linear guides
Enclosed driving system
Drive via flanged DC-motor with tacho and incremental encoder
Pneumatic single clamps (42 clamp fingers á 100 mm, individual addressable)
Profibus-communication to pneumatic unit
Speed range 5 - 445 cm/min (way-measuring system)
Parallelism of carriage to clamp system +/-0,15 mm
Pneumatic torch motion, (stroke distance 150 mm)
Manual support 70 x 70 mm (height and side)
Torch holder (according to torch-type)
All copper-parts made of special abrasion resistant alloys
3 foot switches for clamping
Stepless operation of front clamp row (for easy setting the plate edge with 0-gap)
Pneumatic central nitrided jigs (one continuous piece)
Backing gas track with groove structuring according to the thickness of the welded material
Pneumatic security mandrel latch (initiator controlled)
Dual energy chain, seperated for torch and other lines
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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Recommended areas of use
Longitudinal welds of boilers, tanks, pipes, sheet panels, filters, ...
TIG, Plasma, MIG-MAG

- 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
Power source-sets TIG, Plasma, MIG-MAG
I-kit Profi-bus
Uptake plate (slide) for wire feed unit on 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, stainless steel mandrel, shielding-gas track according to the materials type, additional backing bar, rectangular mandrel for mounting an idler unit, double-wirefeeder head, special weld length, height adjustment, idler unit for workpieces, Laserpointer for easy centering, bring-in carriage

Technical data	FCP 2100/5 ES
Mains voltage/frequency	230/400 V/50 Hz
Power consumption	0,8 kVA
Max. welding length	2100 mm
Min./max. wall thickness	0,5 - 3,0 mm
Min./max. diameter	190-800 mm
Dimensions:	
• A	4100 mm
• B	1500 mm
• C	2400 mm
Required compressed air	6-10 bar
Net weight	3050 kg

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PERFECT WELDING

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