



System controller Siemens OP 270



Pneumatic central jigs (one continuous piece)



Einzelansteuerbare Spannbacken (über Pneumatikzylinder)

# Clamping benches FCP 2100/5 ES

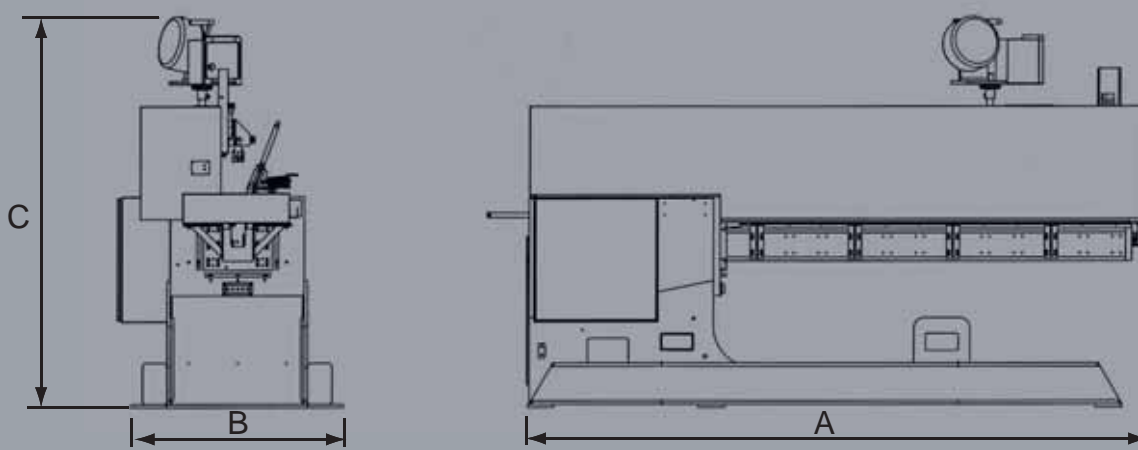
## Pneumatic clamping bench type 5

### 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, separated 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.)



### 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



PERFECT WELDING

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