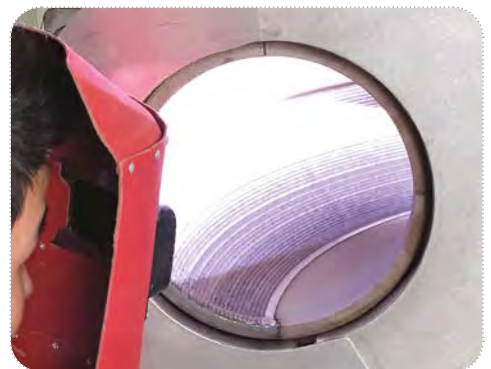
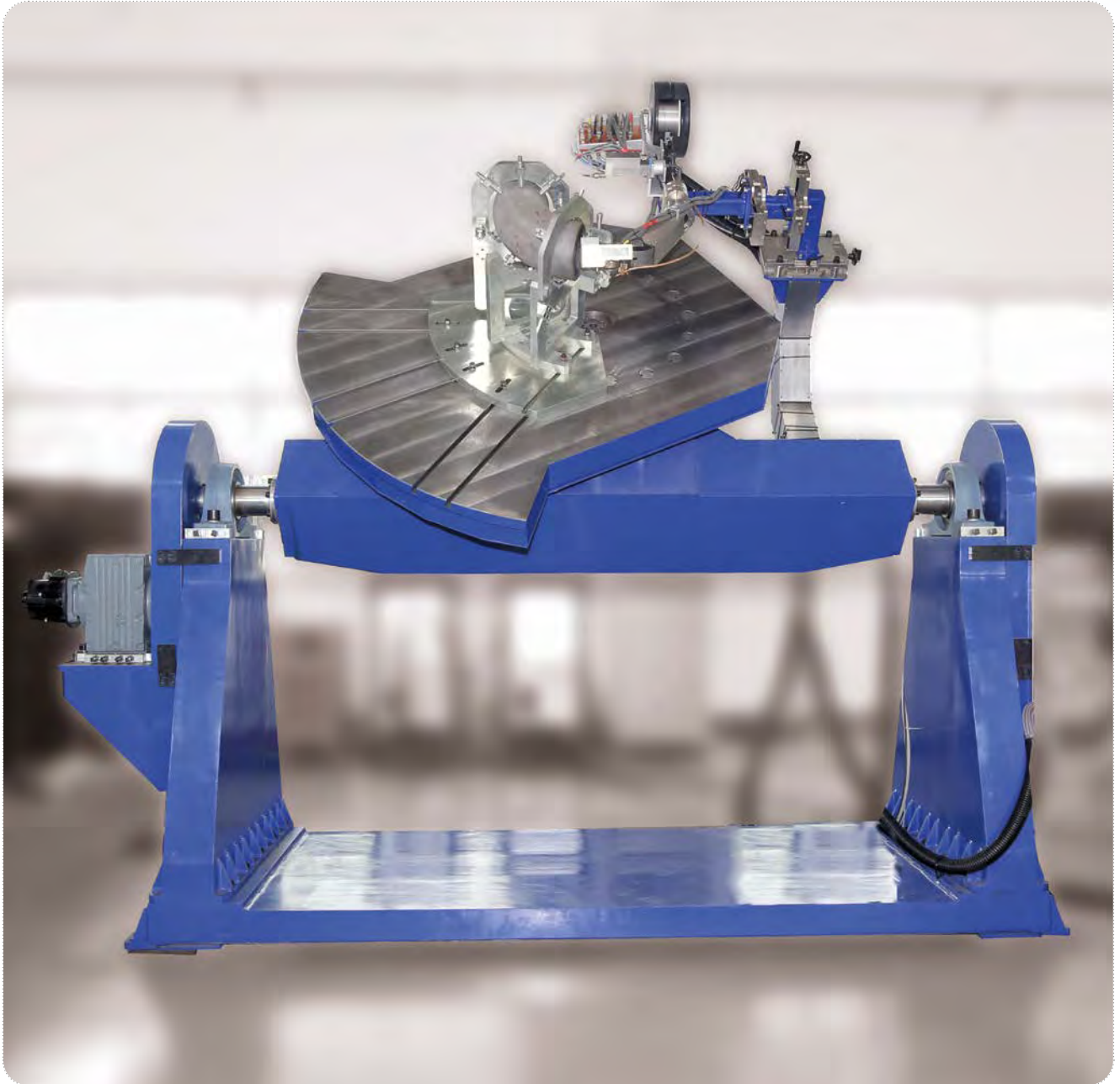



PolyClad Elbow L TIG^{er} 8" to 30" (1.5D)

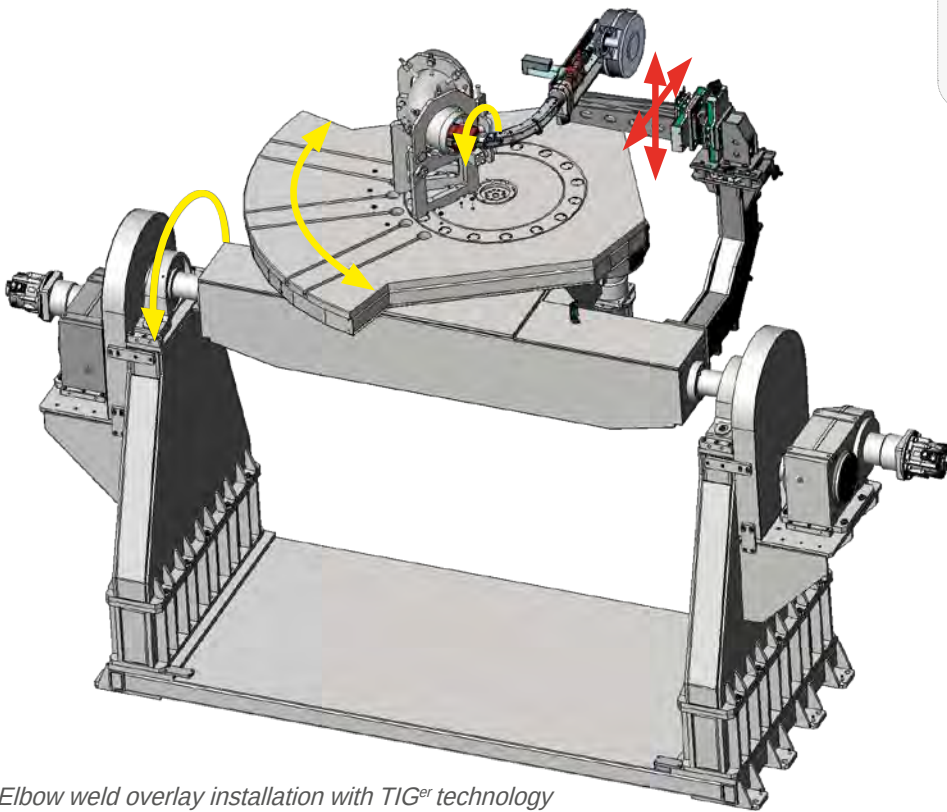


▶ Advantages

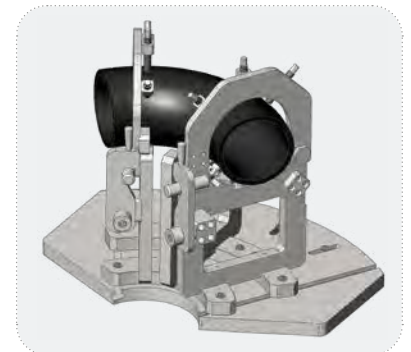
- Quick installation of the elbow elbow
- Consistent smooth surface after weld overlay in longitudinal direction
- Reduced deformation
- No start-stop points inside the elbow
- TIG^{er} high deposition rate/high productivity
- Automated cladding sequence
- Process: 



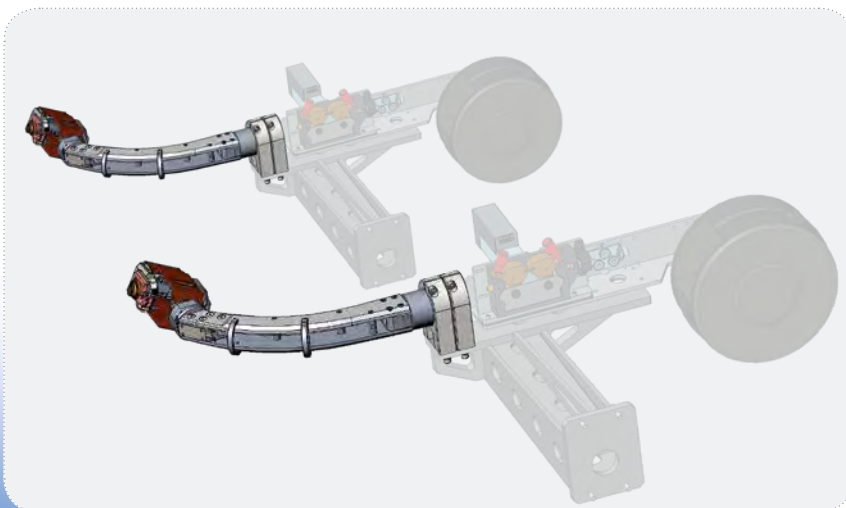
Set of PC 600-3 smart welding stations
- 1 master and 1 slave



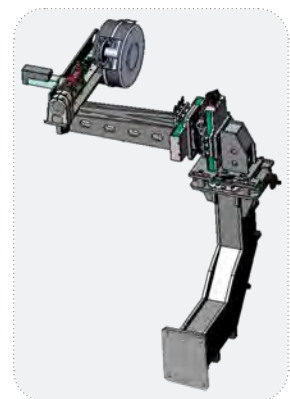
Elbow weld overlay installation with TIG^{er} technology



Clamping unit



Weld overlay lances with wire feeder



Weld overlay head interface

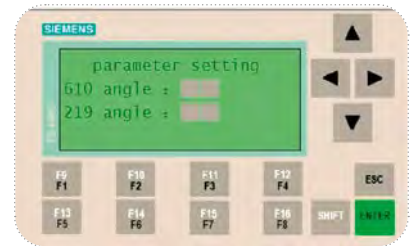
▶ Control cabinet

▶ Main items

- Tilting positioner for longitudinal weld overlay - 8" to 30"
- Welding head interface with cross slides & wire feeder
- Set of PC 600-3 smart welding stations (1 master & 1 slave)
- CN control cabinet



Weld overlay programming software (weld overlay parameters)



Operator touchscreen

▶ Variants / options - accessories

- TIG^{er} weld overlay lance with torch rotation and fixtures according to the elbow size
- Elbow clamping unit
- DAQbox - tool for productivity management and data acquisition

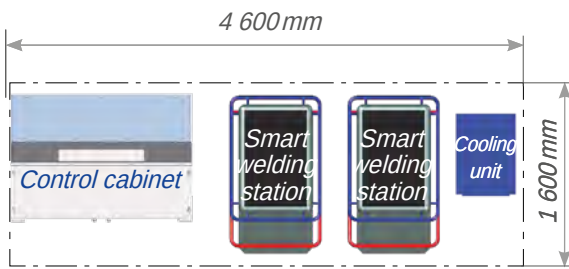


▶ Technical data

Elbow	
O.D. max.	762 mm (30")
I.D. min.*	189 mm (7 7/16")
Elbow radius	1.5 D
AVC stroke	25 mm
Wire feeder	0.5 to 14 m/min
Compatible with wire spool	Ø 300 - 15 kg

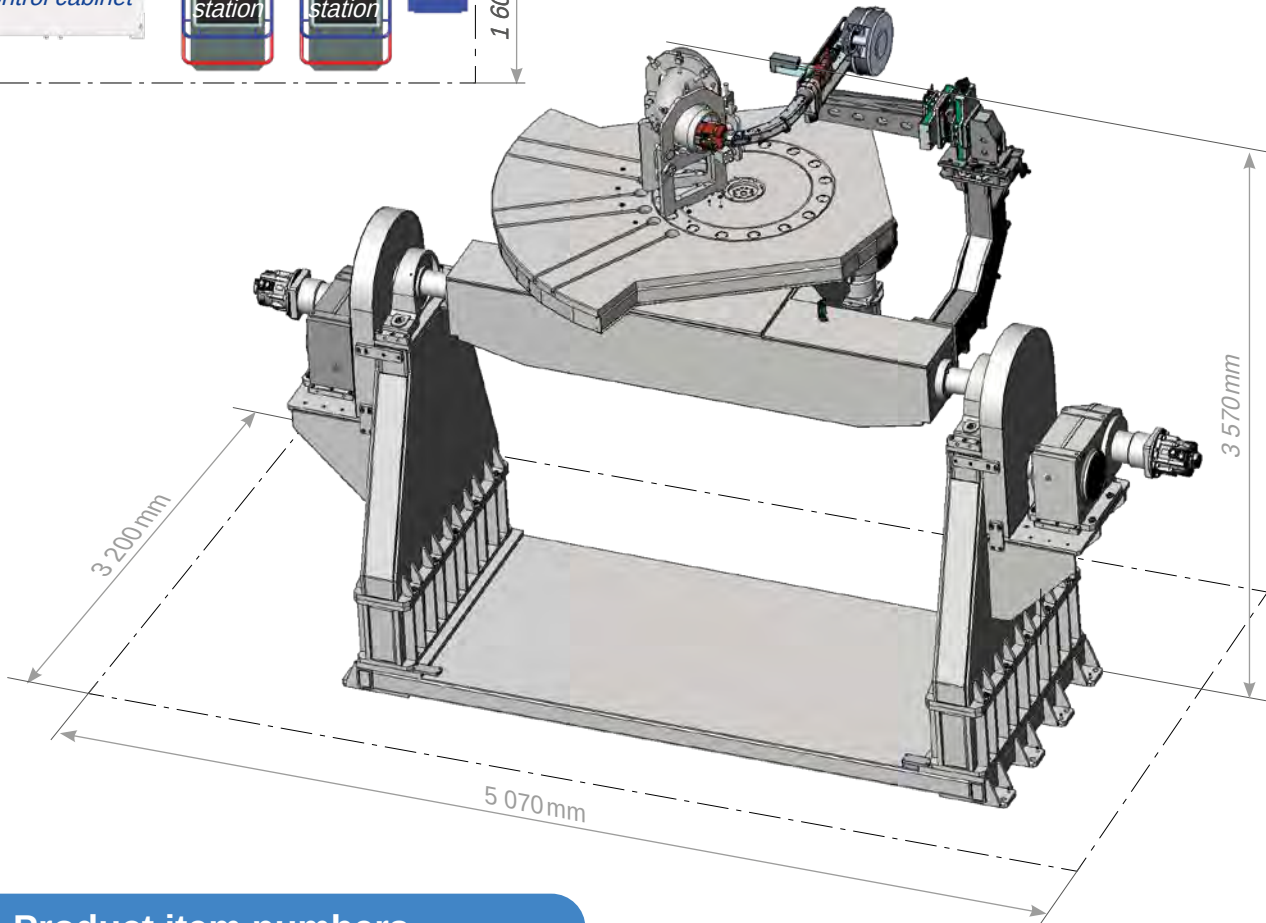
* Before weld overlay considering 2 layers

► Layout and utilities



Utilities

Smart welding stations - TIG ^{er}	400 V - three-phase - 1x33 kVA + 1x28 kVA
Control cabinet	230 V - single phase - 15 kVA
Cooling unit	230 V - single phase - 4 kVA



► Product item numbers

	8" ≤ I.D. ≤ 30"
PolyClad Elbow L - Standard elbow weld overlay installation (including positioner, cladding lance interface, set of smart welding stations, cooling unit, control cabinet)	0033960001
DAQbox - Data acquisition system	0033249101
TIG ^{er} lance for elbow 90° diameter 8"	0033960101
Fixture for elbow 90° diameter 8"	0033960201
TIG ^{er} lance for elbow 90° diameter 16"	0033960301
Fixture for elbow 90° diameter 16"	0033960401
TIG ^{er} lance for elbow 90° diameter 20"	0033960501
Fixture for elbow 90° diameter 20"	0033960601
TIG ^{er} lance for elbow 90° diameter 24"	0033960701
Fixture for elbow 90° diameter 24"	0033960801
TIG ^{er} lance for elbow 90° diameter 30"	0033960901
Fixture for elbow 90° diameter 30"	0033961001