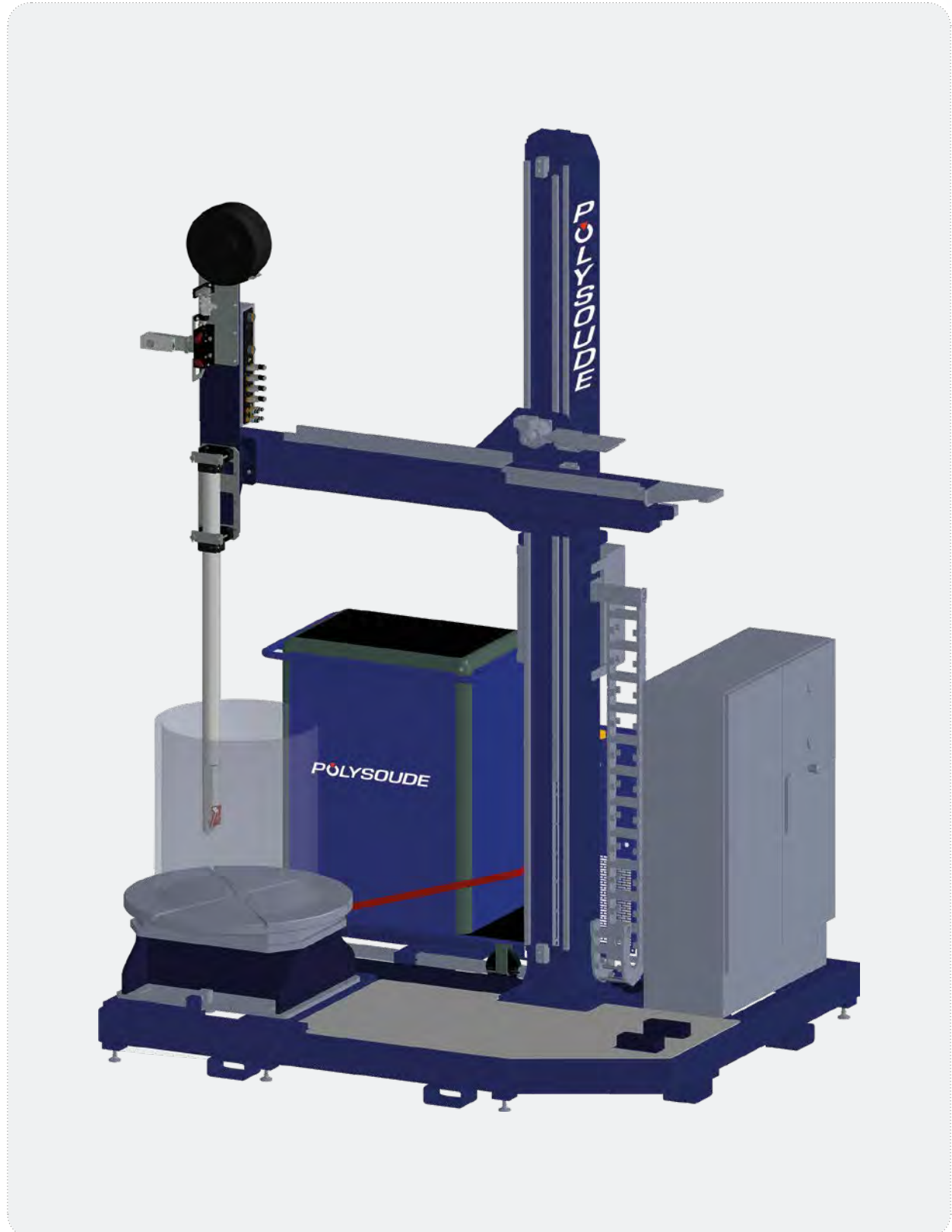





# Vertical weld overlay solutions

## PolyClad 3C Compact Cladding Center



## ▶ Advantages

- Ready to use
- Wide range of use for both simple and complex workpieces
- Compact and transportable
- Prewired on platform
- Flexibility
- Multiprocesses:   



TIG<sup>er</sup> torch



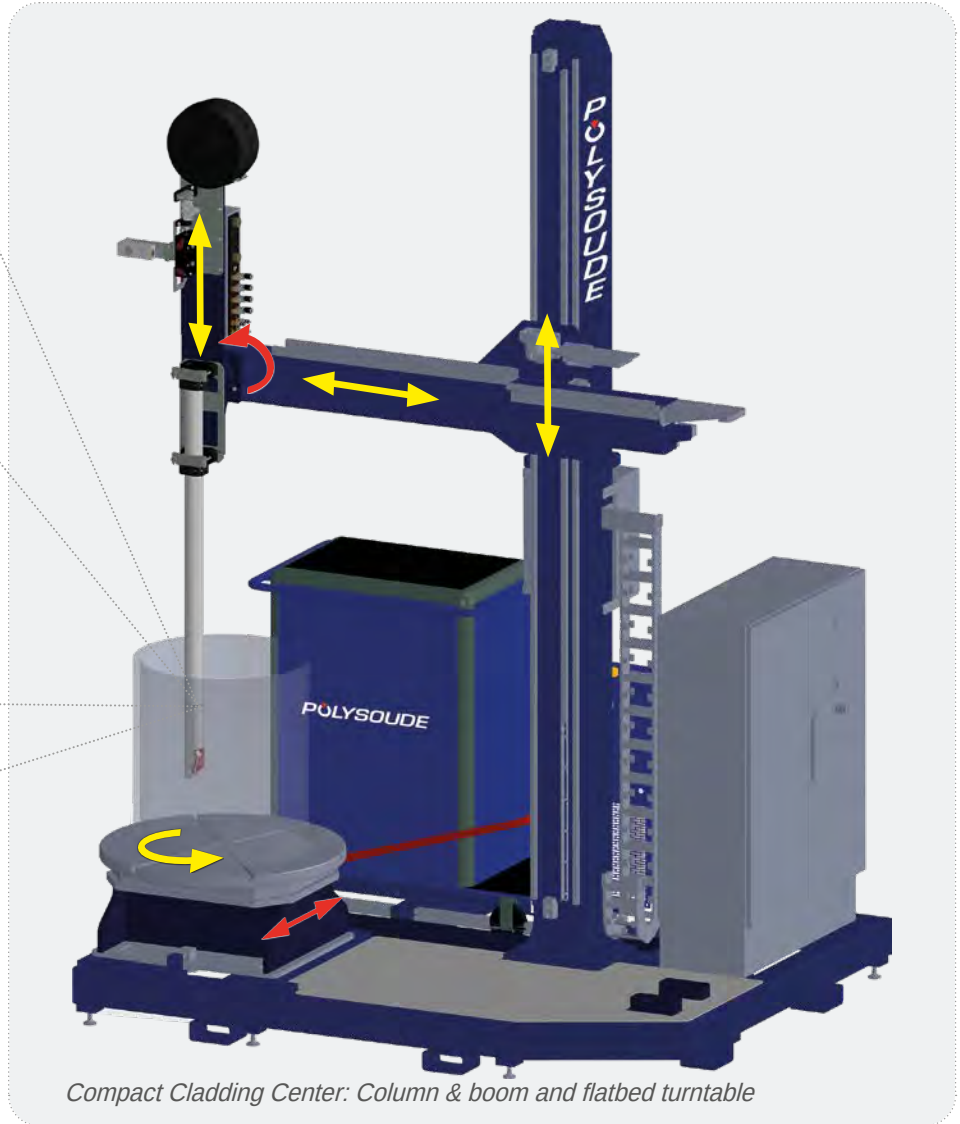
Tiltable TIG<sup>er</sup> torch



TIG CW/HW lance with tiltable torch



TIG WP27 CW/HW torch



Compact Cladding Center: Column & boom and flatbed turntable



Manual swivel bracket on the boom end

Compact Cladding Center ready to transport

## ► Programming software

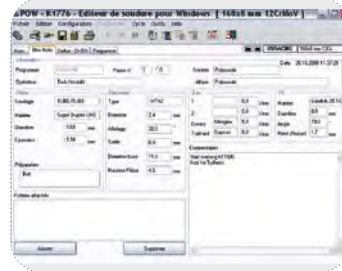
Two solutions depending on the workpieces complexity to be cladded:

## ► Main items

- High accuracy column & boom
- Flatbed turntable
- Lance/torch
- Smart welding station



**POWin** Conventional controller

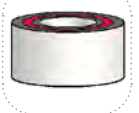
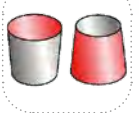
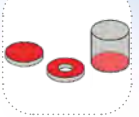


## ► Variants / options - accessories

- High resolution video monitoring
- TIG HW or TIG<sup>er</sup>
- Systems Control Centre (◆)
- DAQbox - tool for productivity management and data acquisition



**CNC** CN Controller

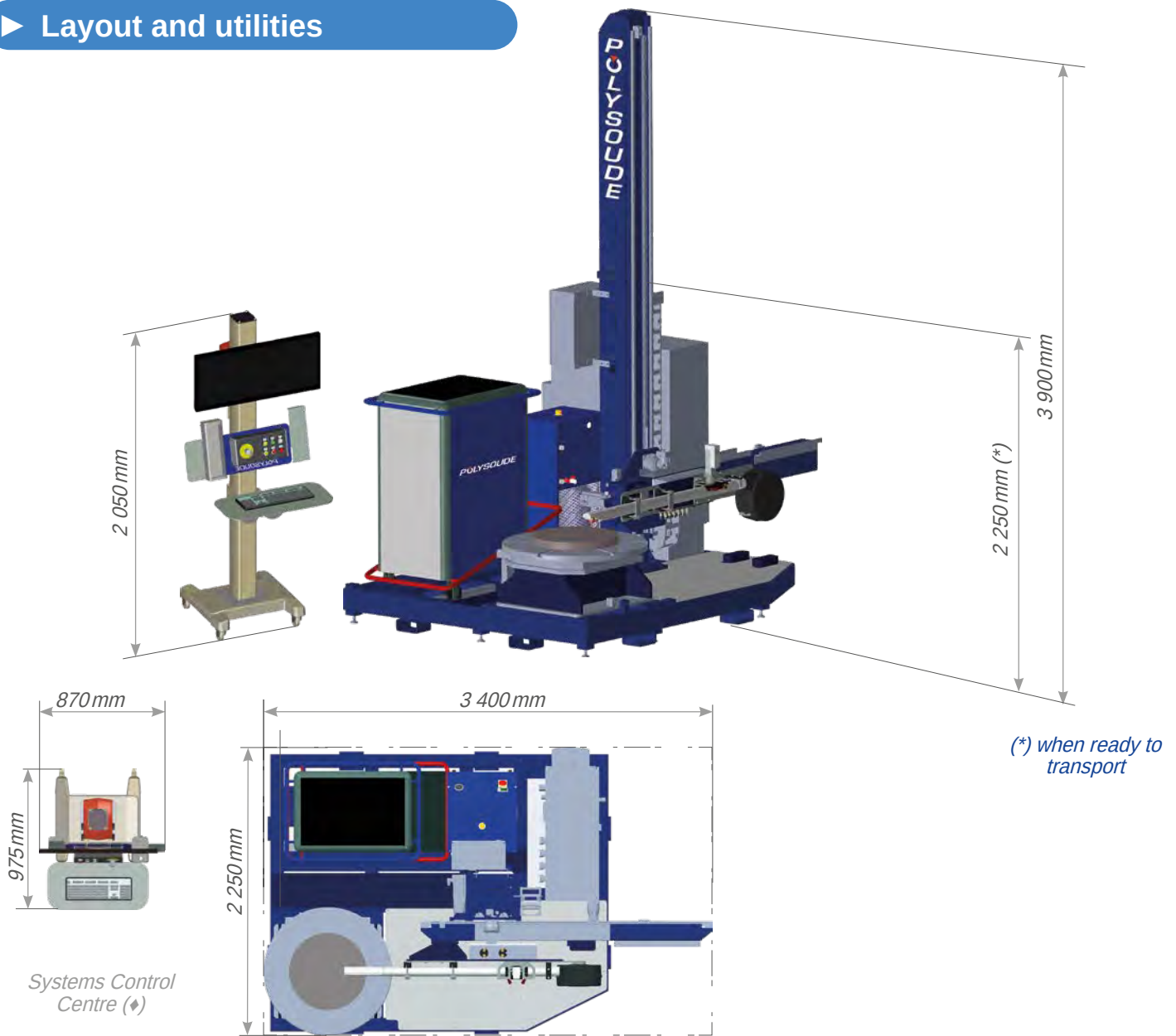


## ► Technical data

Column & boom	
Maximum height under boom	3m
Vertical stroke (max.)	2.5m
Horizontal stroke (max.)	1.5m
Maximum load on boom end	70kg
Wire feeder	0.5 to 14 m/min
Compatible with wire spool	Ø 300 mm - 15 kg
Capacity of the flatbed turntable	4.5t - Ø 1 m
Maximum length of weld overlay lance	1 m
Workpiece length	Up to 1.5 m

Other sizes of C&B and flatbed turntable are available on request.

## ► Layout and utilities



### Utilities

Column & Boom	400 V - three-phase - 3 kVA
Smart welding stations - TIG CW/HW	400 V - three-phase - 33 kVA
Video container (optional) or SCC	230 V - single phase - 6 kVA
Cooling unit	230 V - single phase - 4 kVA
Flat turntable	400 V - three-phase - 3 kVA

## ► Product item numbers

	TIG POW <sub>in</sub>	TTG POW <sub>in</sub>	TIG CNC	TTG CNC
PolyClad 3C - Compact Cladding Center (including C&B, HD cross slides, welding head, smart welding station, flatbed turntable and cooling unit)	On request	On request	0034870001	0034870002
DAQbox - Data acquisition system (Accessory)	0033249101		Included	
Systems Control Centre (optional)	On request		Included	
Torches and lances	See Torches and lances on page 39			
Video system (optional)	On request			