

Compact Cladding Cell

HMI-T21



High-end cladding system combined on an extremely compact platform.

High-precision motion axes and the outstanding features of the HMI-T21 system controller enable cladding of a wide range of bore geometries with perfect welding results.

FEATURES

- For components with a bore diameter from 25 mm (0.98 inch)
- **SpeedClad 2.0** compatible - up to 3x higher cladding performance compared to conventional TIG hotwire welding processes
- High-precision torch and component positioning for perfect welding results
- One power supply for the entire system
- Optional with protective curtains

HMI-T21 – THE NEW CONTROLLER GENERATION

- **21" touch screen** user interface
- **Multi-user accounts** with individual permissions
- **Intelligent functions** such as „X-Ray View“, 3D Component Editor, Weld Editor, Bore-to-Bore Advanced, real-time actual value monitoring, etc.



| Component data | |
|---|--|
| Max. component height by torch working length = 1m [39.37 in] (* with option: height extension) | 1400 mm [55.11 in] 1900 mm* [74.80 in*] |
| Min. bore diameter | 25 mm [0.98 in] |
| Max. outside diameter | 1000 mm [39.37 in] |
| Max. weight | 2500 kg [5511 lbs] |

Technical data

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|------------------------|--------------------------------|
| Mains voltage | 400V (L1/L2/L3/N/PE), 50/60 Hz |
| Power consumption max. | 48 kVA |
| Prefuse type | 3x 63 A |
| Ambiant temperature | 5 - 40 °C (41 - 104 °F) |
| Humidity | max. 50% (40 °C / 104 °F) |

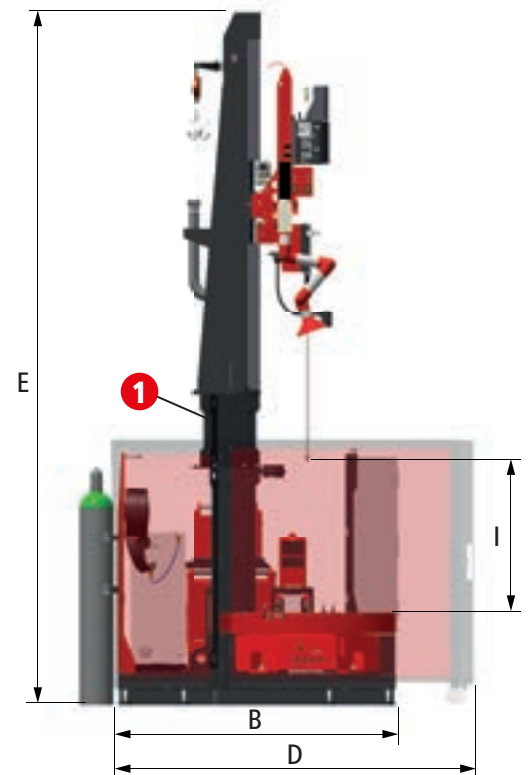
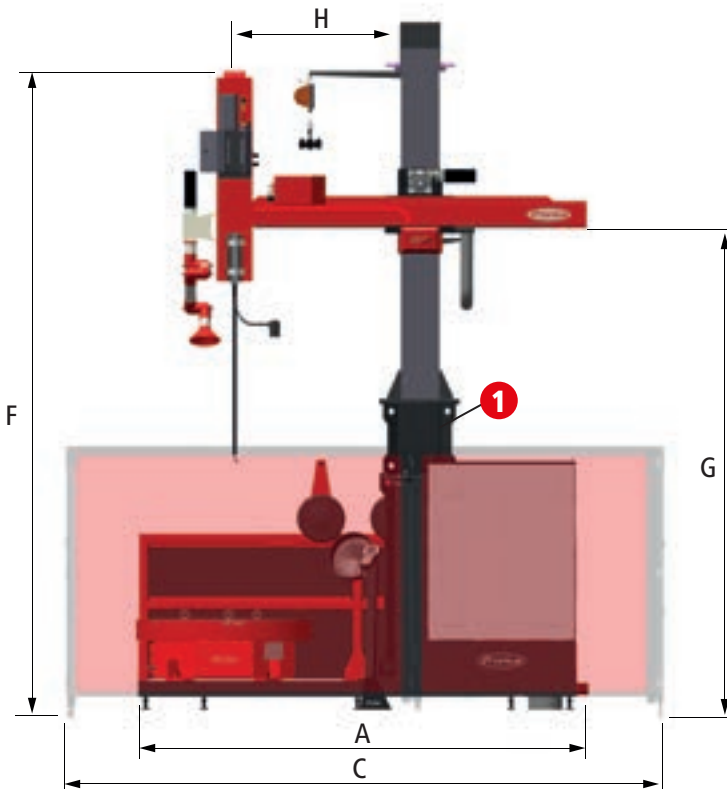
| | Dimensions | | | | | | | | | |
|-----------------------|-------------------|--------------------|-------------------|---------------------|-------------------|-------------------|--|-------------------------------------|-----------------------------|-----------------------------|
| | A mm [inch] | B mm [inch] | C mm [inch] | D mm [inch] | E mm [inch] | F mm [inch] | G min/max mm [inch] | H min/max mm [inch] | I (max*) mm [inch] | Total weight kg [lbs] |
| Standard height | 3000 [118.11] | 1922 mm [75.66] | 4098 [161.33] | 2554 [100.55 in] | 4223 [166.25] | 4636 [182.51] | 2064,5 / 3564,5 [81.27 / 140.33] | 467 / 1767 [18.38 / 69.56] | 1497 [58.93] | 3615 [7969,711] |
| With height extension | 3000 [118.11] | 1922 mm [75.66] | 4098 [161.33] | 2554 [100.55] | 4723 [185.94] | 5136 [202.20] | 2564,5 / 4064,5 [100.96 / 160.01] | 467 / 1767 [18.38 / 69.56] | 1997 [78.62] | 3705 [8168.12] |

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OPTIONAL HEIGHT EXTENSION

When using the optional height extension, the value **E, F, G, I,** and the maximum component height change by +500 mm [19.68 in].



* Torch working length = 1 m (39.37 inch)