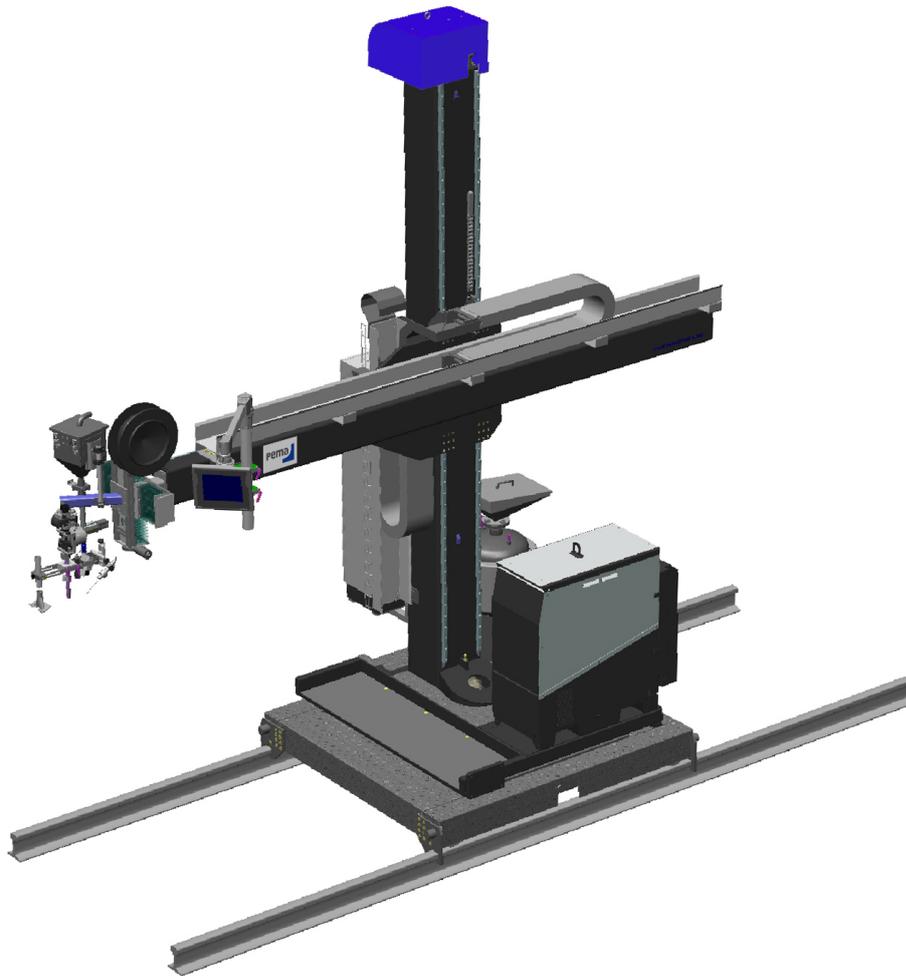


Column & Boom
MD 4X4
Medium Duty series

Rev: 8.12.2010
Printed: 5.8.2012



PEMA MD is a medium-duty column & boom series for welding hard automation purposes. A stable construction with rack-bar drive and linear rail movements, PEMA MD provides smooth operation resulting in excellent welding quality. It is a versatile and cost-effective solution especially for single wire and twin SAW welding, but suits well also for MIG/MAG and TIG welding processes.

PEMA MD 4x4 column & booms weld both longitudinal and circumferential seams. The size is 4 x 4 meters (column movement x boom movement).

The PEMA MD can easily be combined with PEMA roller beds and positioners to improve productivity, welding quality and safety at work. The standard PEMA MD series column & boom can be used for welding longitudinal and circumferential seams. This makes the use of a PEMA column & boom and PEMA roller beds on the same rails possible.

Safety is ensured with e.g. a falling prevention device. Also available with integrated control system which combines welding parameter control, welding data storage, remote control and other advanced welding functions into the column &

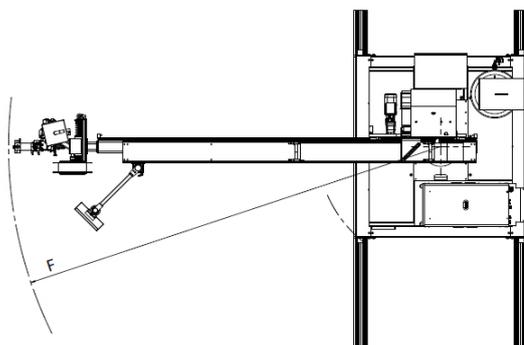
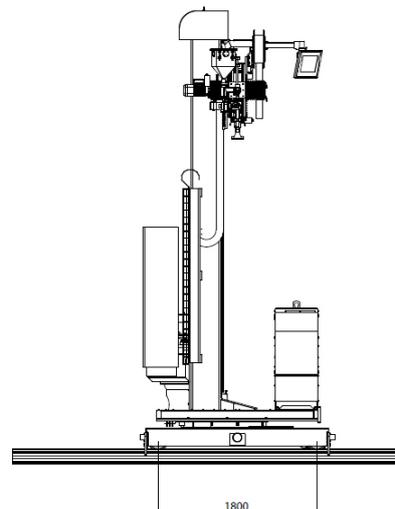
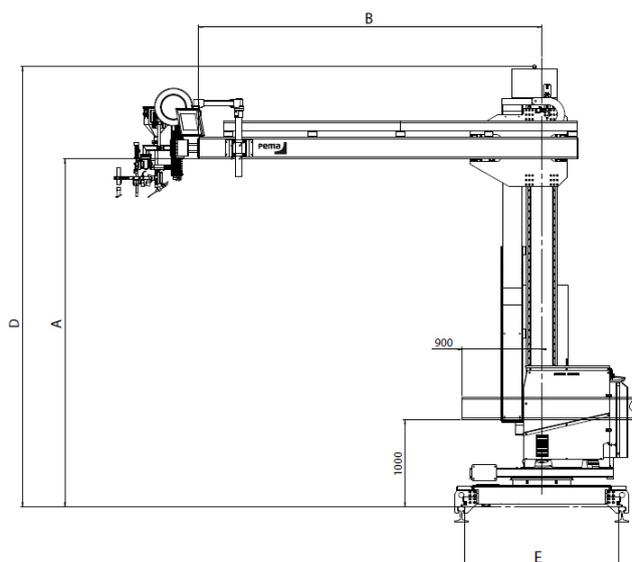
boom control interface. Can be equipped with a multitude of other accessories.

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Due to continuous R&D, Pemamek Oy Ltd reserves the right to change the specification without notice.

Technical data

Vertical reach [A] (mm)	1000 - 5000
Lifting speed (mm/min)	2000
Boom reach from c-c [B] (mm)	900 - 4900
Total height [D] (mm)	6050
Boom speed (mm/min)	200 - 2500
Boom front end loading (kg)	150
Boom rear end loading (kg)	150
Rail span; inside-inside [E] (mm)	1750
Column rotation (motorized)	360°
Column rotation speed (min/360°)	2
Max. turning radius [F] (mm)	5900
Rail car speed (mm/min)	2500
Total weight (approx.) (kg)	4500

Optional accessories

- Welding equipment
- Cross slides
- Flux handling
- Wire reels
- Control systems
- Camera
- Seam tracking, optical height control
- Rails and energy chain

PEMAMEK OY LTD

Lamminkatu 47, FI-32201 Loimaa, Finland
Phone: +358 2 760 771 Fax: +358 2 762 8660
e-mail: pema@pemamek.com www.pemamek.com