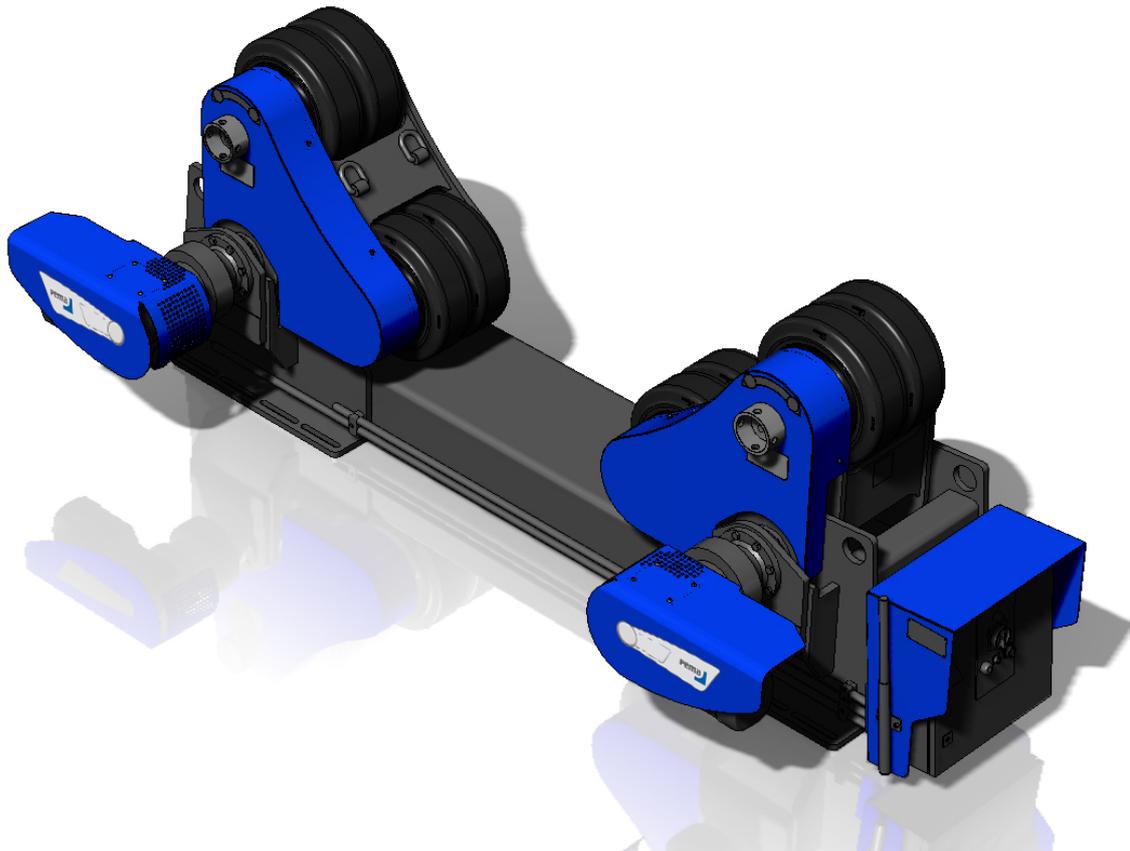


## A80 4D DRIVE UNIT

Self-aligning rollerbed with 40 ton capacity



PEMA A series of self-aligning rollerbeds are ideal for handling unbalanced, thin-walled and/or heavy cylindrical work-pieces. The A series rollerbeds provide even weight distribution, constant rotation speeds and adaptability to a wide range of work-piece diameters without need for separate adjustment. Loading capacities range between 12 and 800 tons.

In PEMA A series rollerbeds, roller bogies automatically adjust to align with the diameter of the handled work-piece. Compared with other rollerbed types, PEMA A beds provide superior weight distribution. This is a significant advantage in handling of thin-walled work-pieces. A power unit is usually combined with one or several idler units.

All four axles of PEMA A80 4D drive unit are power-driven. Four-wheel drive provides excellent grip and accurate rotation characteristics even for very unbalanced work-pieces.

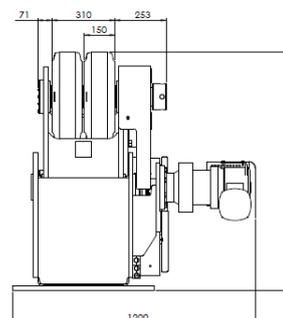
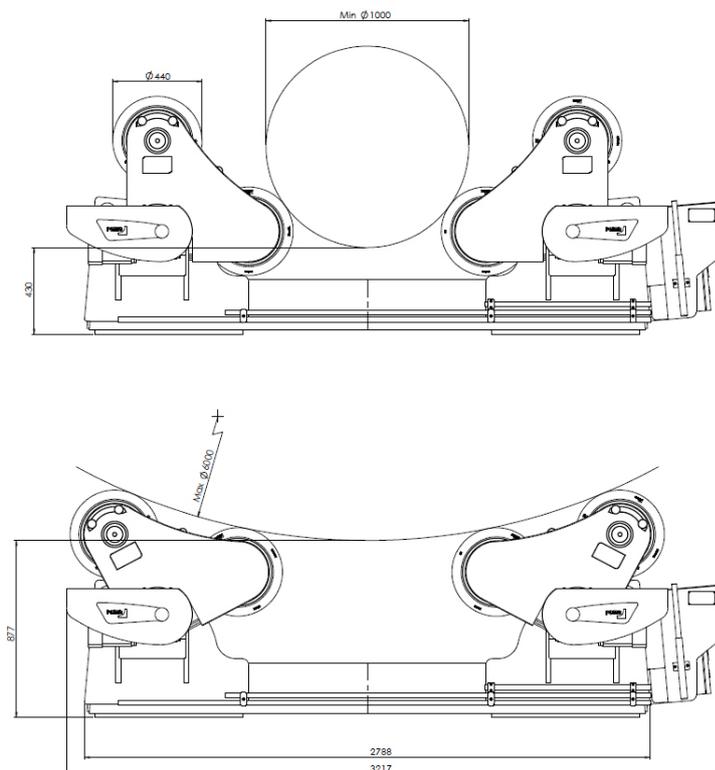
Work-piece movements are easily controlled with a handy 24 V remote controller. The operator can monitor rotation speeds with a digital RPM display.

PEMA rollerbeds are designed in close co-operation with the best welding production professionals. PEMA's extensive experience in designing and

manufacturing welding automation solutions has been a key factor in the development of PEMA rollerbeds. Designed to the same high-quality standards as PEMA positioners and column & booms, PEMA rollerbeds fulfil the requirements of the European EN safety norm. All PEMA rollerbeds come with CE markings.

**A80 4D DRIVE UNIT**

Self-aligning rollerbed with 40 ton capacity



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

**Technical data**

Max load (ton)	40
Rolling capacity (ton)	120
Max. rotation force (kN)	50
Rotation speed range (mm/min)	60-1250
Diameter range min-max 50% (mm)	1000-6000
Diameter range min-max 100% (mm)	2000-6000
Roller diameter / total width (mm)	440 / 310
Rollers (pcs)	8
Roller material	PU
Width (mm)	1210
Length (mm)	3230
Weight (kg)	2200
Mains supply connection 50 Hz	3*400V+N+PE
Power (A)	25

**Optional accessories**

- Foot pedal for start/stop of rotation
- Foot pedal for speed control of rotation
- External control of rotation
- Rail car units

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