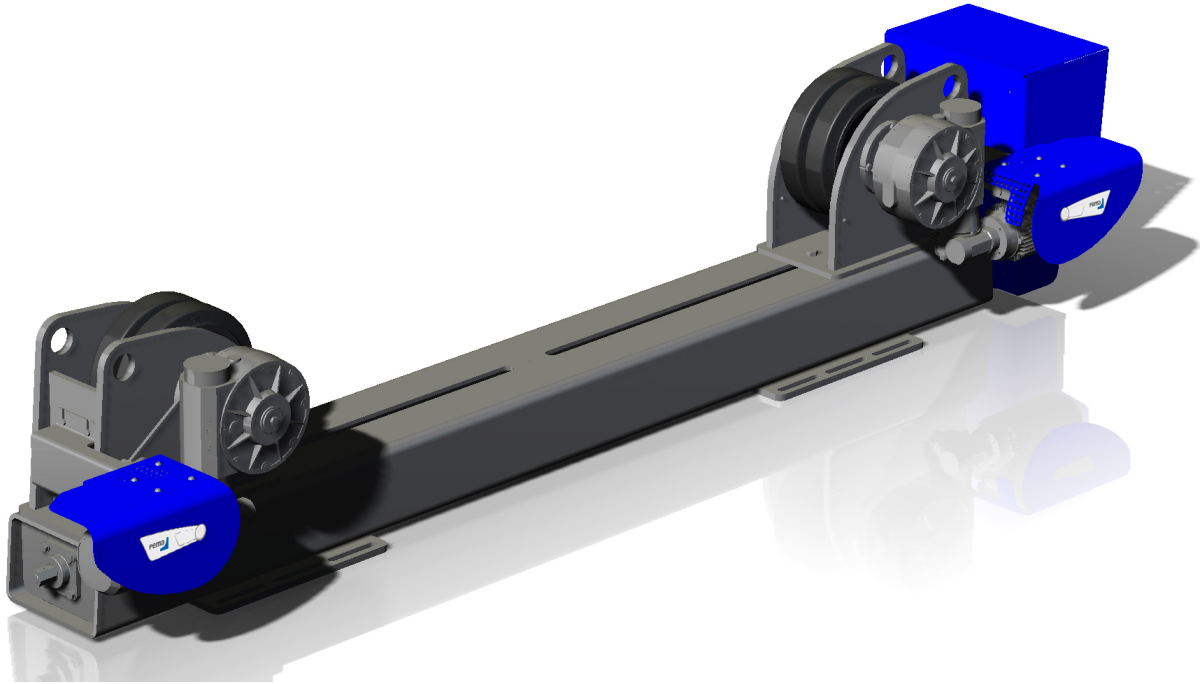


N12 2D DRIVE UNIT

Basic rollerbed with 6 ton capacity



PEMA N series of conventional rollerbeds make up a range of basic solutions for rotating and handling a wide variety of cylindrical work-pieces. They occupy little space and feature a manual diameter adjustment arrangement. Loading capacities range between 12 and 1 600 tons.

PEMA N12 conventional, powered 2-roller-drive rollerbeds are reliable basic tools for rotating and moving cylindrical work-pieces such as tubes, pressure vessels and tanks in automated welding. A power unit is usually combined with one or several idler units. Thanks to their compact size, they occupy little space on shop floor. In the N series, roller distances are manually adjusted to accommodate varying work-piece diameters. N12 models feature quick and easy stepless manual diameter adjustment by means of a screw arrangement.

Carefully machined, all PEMA rollerbed frames and parts are dimensioned using high safety factors. Smaller rollerbeds have polyurethane rollers, heavier beds come with high-quality steel rollers.

Smooth and accurate rotation is essential in high-quality welding. In PEMA rollerbeds, this is ensured by high-quality, inverter-controlled AC drives and gears.

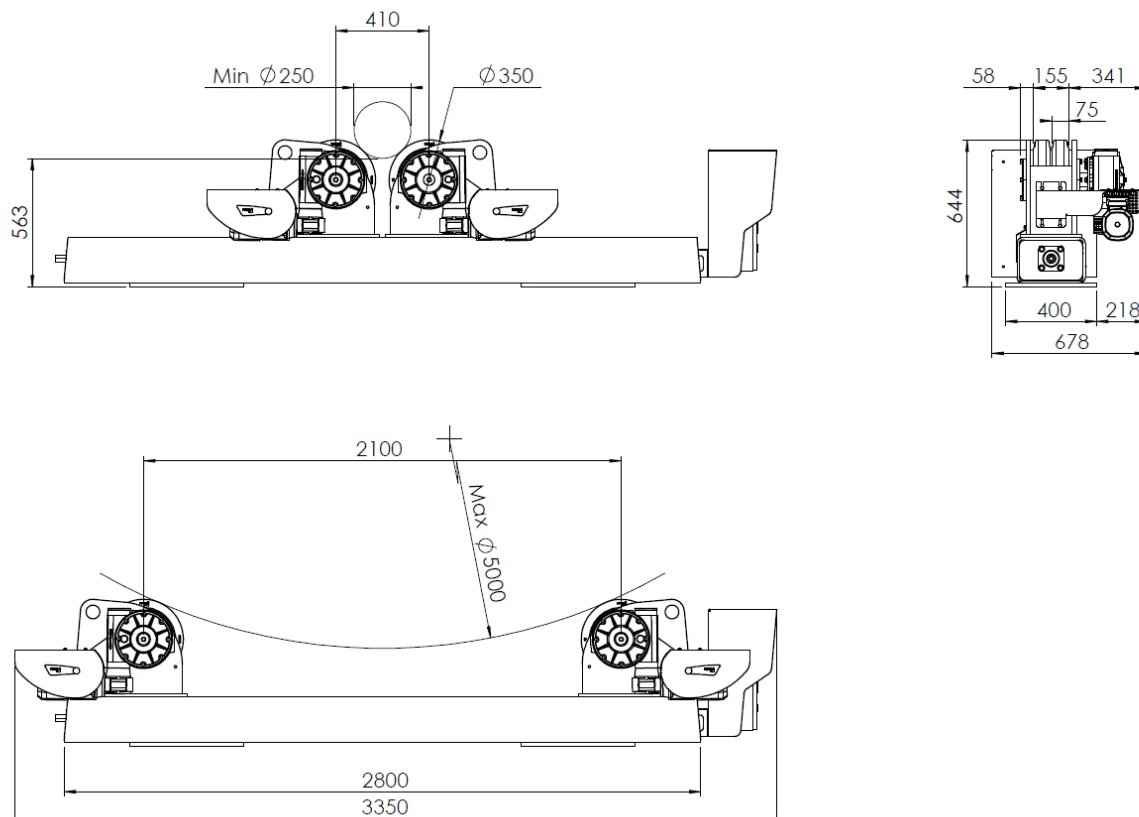
Work-piece movements are easily controlled with a handy 24 V remote controller. The operator can monitor rotation speeds with a digital RPM display.

N series loading capacities range from 12 tons up to even 1 600 tons. Heavier rollerbeds often form a part of PEMA Hard Automation welding solutions.

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.

N12 2D DRIVE UNIT

Basic rollerbed with 6 ton capacity



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

Technical data

Max load (ton)	6
Rolling capacity (ton)	18
Max. rotation force (kN)	8,5
Rotation speed range (mm/min)	100-2000
Diameter range min-max 50% (mm)	250-5000
Diameter range min-max 100% (mm)	250-5000
Roller diameter / total width (mm)	350 / 155
Rollers pcs/section	4
Roller material	PU
Width (mm)	680
Length (mm)	3350
Weight (kg)	750
Mains supply connection 50 Hz	3*400V+N+PE
Power (A)	16

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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