



Precision straightener

Opening of entry traction roll
by means of a lever
Option: by cylinder

Adjustment of upper
straightening rolls by 2 Handwheels
with integrated dial gauges
Option: digital reading (0,01 mm)

Symmetrical adjustment of
the lateral entry roll guides
Option: entry guide plate
for parts straightening

Roller guided outlet
Option: outlet guide
plate for parts

Lower rolls in a
drawer system for
easy cleaning

All rolls driven by 2 synchronised
hydraulic drives and
supported on roller bearings

The hydraulic power pack
is incorporated in the base

Control panel for following
functions:
a) continuous strip straightening
b) straightening of parts





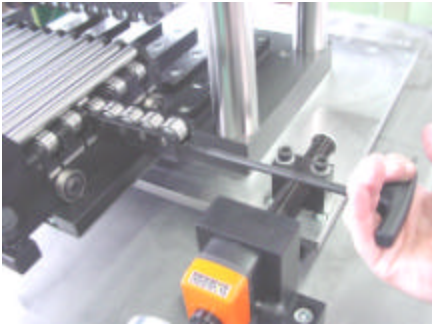
Sturdy welded base for
easy transport by fork lift


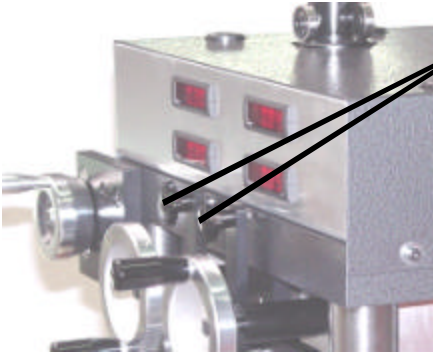


The SOPREM precision straighteners are noted for their modular design and sturdy construction.

- 19 straightening rolls, all fully supported several times and all driven
- Roller Ø: 12, 16, 25 and 35 mm (according to the material thickness)
- Material width: 160, 200, 250, 350 and 450 mm / Thickness range: 0,1-5 mm

All models are equipped with 2 synchronised hydraulic drives for continuous speed regulation. Speed-range: 1-15, 2-30 or 3-45 m/min

Features and advantages of Dynamic/Soprem precision straighteners

	<p>Space saving but sturdy construction</p> <ul style="list-style-type: none"> - Hydraulic power pack integrated in the machine body - Control box fixed in front of the machine body - Body with feet for easy moving with fork lift - Welded machine body, painted inside and out <p>Other general features of the straightener:</p> <ul style="list-style-type: none"> - Easily adjustable hardened and ground inlet side guide rollers - Roller baskets at entry and exit side
 	<p>Free standing loop control system</p> <ul style="list-style-type: none"> - Adjustable in all directions, for best possible positioning against the strip loop - 2 easily changable functions. <ul style="list-style-type: none"> - a= ultrasonic sensor for automatic speed regulation, - b= contact plate for on-off function by contact plate, in connection with timer. - No-loop limit switch
	<p>Drawer System of straightener, for easy and fast roller cleaning</p> <ul style="list-style-type: none"> - Soprem construction with hydraulic drives and a lower drawer system allows fast and easy cleaning of the straightening roller. - All rollers are driven, even at fully opened drawer
	<p>Back up rollers easily removable</p> <ul style="list-style-type: none"> - The construction of the back up rollers by help of additional supporting plates allows removing and assembling of all back up rollers without any screws. - Back up rollers are standard sized bearings, commercially available

	<p>4 digital gauges (option LED displays)</p> <ul style="list-style-type: none"> - Fast and easy setting of the straightening rollers - Digital reading on 4 points, showing the positioning of the upper straightening rollers - Removing of the last lower straightening roller allows for bow straightening correction in both directions, upwards and downwards - Spring loaded entry traction rollers helps strip feeding
	<p>Camber straightening possible !</p> <ul style="list-style-type: none"> - 2 clutch pins, allowing bank adjustment - OR - - Individual regulation on each of the 4 corners of the upper straightening block - The lateral inclination of the upper straightening block results to camber straightening - For normal straightening, with engaged clutches, the upper straightening block will rest parallel on the lateral way, just inclines in strip feeding direction
	<p>Precision gear box, direct roller drive</p> <ul style="list-style-type: none"> - All straightening rollers are directly driven by gears - No universal joints! - No maintenance (greasing) of the straightener !, gears are running in an oil bath, only requires annual oil change - Roller shafts are mounted in needle bearings, automatically lubricated by the oil bath. - Opposite side of the roller shafts are lodged in sealed, maintenance free ball bearings
	<p>Hydraulic package, all inclusive unit with 180 litres tank. (The high oil quantity avoids its overheating)</p> <ul style="list-style-type: none"> - Pressure indicator, - Oil filter with contamination indicator - Oil level and oil temperature indicators (visible from outside of machine) - Thermal Overload security, stops machine if oil to hot