

# **GALAXIE** **CORPORATION**

*Worldwide Metalworking Equipment Dealer*

Published on *Galaxie Corporation* (<https://www.galaxiecorp.com>)

[Home](#) > 10 Roll Tube Straightening Machine

---

## **10 Roll Tube Straightening Machine**

Tube Finishing  
Straighteners

### **Description**

10 Roll tube straightening machine for steel tubes with handling system

Year: 2014

### **Material specifications**

Material- steel

Material shape- round tubes

Material strength:

yield strength- max. 850 N/mm<sup>2</sup>

Condition primary material- blank, dry, or oiled

Outside diameter: max. 8,625" (219 mm) / min. 1.9" (48 mm)

Wall thickness: max. ½" (12.7 mm) / min. 0.126" (3.2 mm)

Length: max. 50' (15.24 m) / min. 17' (5.18 m)

Total tube weight: max. 1.433 lb. (650 kg)

Material straightness after straightening: up to 0.2 mm/m

The final straightness depends on the tube conditions of the pre material

Type- RRM-pro 220/10

Working direction- from right to left

Straightening rolls:

- Number of straightening rolls- 10 pc. (5 pc. Top rolls and 5 pc. Bottom rolls)

- Design of the rolls:

- two-piece straightening roll (shaft and) roll

- the roll is hardened and polished

- Straightening speed (infinitely variable)- 20-120m/min.

- Single roller drives (= 10 pc. Driving motors)

- Driving motors- AC-servo motors (water cooled)
- Nominal power of each drive motor- approx. 50kw
- Adjustable range of the roll-angle- approx. 30-40\*
- Drive of the angle adjustment:
  - 5 pc. Top rolls – hydraulic cylinder with numerical controlled positioning
  - 5 pc. Bottom rolls- hydraulic cylinder with numerical controlled positioning
- Height adjustment of the rolls:
  - 5 pc. Top rolls- hydraulic cylinder with numerical controlled positioning
  - 5 pc. Bottom rolls- hydraulic cylinder with numerical controlled positioning
- Inlet and outlet guiding:
  - automatic height adjustment
- 10 pc. Straightening rolls
- 1 set inlet and outlet guiding (for one dimensional range)
- Material lubrication
  - for the material lubrication in the straightening machine
  - design: standard steel
- Safety equipment
  - solid safety door at the front side of the machine
  - sliding door at the back side of machine
- Hydraulics
  - hydraulic unit
  - valves
- Electrics
  - on the plant: motors, gear motors, limit switches, sensors, junction boxes
  - switch cabinet (air conditioned): circuit breakers, safety switches, projection switches for motors, contactors, PLC, modem
  - control desk with touch screen
- Machine software
  - AMAVIS visualization system and database:
    - user optimized machine visualization
  - all machine settings can be saved (product-related) in the AMAVIS – database and can be recalled and easy readjusted and then saved again

#### Handling system to the straightening machine

- Scope of supply
  - Inlet trough
    - Vario- inlet trough
    - with pinch roll unit

- Outlet trough
  - with pinch roll unit
- Pneumatic
- Hydraulic
- Electric

### **Main features of the ASMAG straightening machine**

Precision vertical & rotary adjustment of the rolls

Adjustment of the rolls under load

Single roller drives

Minimal roller distance

Automatic set-up via AMAVIS database

Compact and solid machine frame

High quality due to in-house production

### **Image(s)**

---



**+1 (734) 727-0600**

- 
- 
- 
- 
- 
- 

[Machinery](#)

[Plant Liquidations](#)

[About](#)

[Contact](#)

[Terms & Conditions](#)

[Privacy Policy](#)

© 2020 Galaxie Corporation, All Rights Reserved.

**[mdna.png](#)**



Drupal website design by Commercial Progression

---

**Source URL:** <https://www.galaxiecorp.com/machine/tube-finishing/10-roll-tube-straightening-machine>