



## TITAN Bending Rolls Series 4135

The versatile solution to produce cylindrical and cone shapes with a quick and easy way to prebend to eliminate flat run out and lead in - repeatable and reliable.

Titan is the quality leader for small to medium rolling applications to serve today's versatile Fabricator. Formerly sold under the Luna trade name and made in Sweden, Titan products pride themselves to be made from premium materials to be configured exactly to customer specifications with minimum tolerances. This gives you a product of unmatched reliability, repeatability, and longevity, distancing itself from the common commodity. We welcome you to review the capabilities of the Titan Roll, which will enhance your productivity and quality for a quick return on your investment.

Daniel Dechamps  
CEO  
Metal Finish



*The Titan 4135 Series machine with roll diameter of 2.36"*

***Titan 4135 series machines are a roll bending solution to efficiently roll cylindrical shapes with high accuracy:***

**The key to a quality roll are the rolls**

The 4135 rolls are designed to meet the requirements for basic rolls featuring relatively tight radius bending. A welded steel frame and cast guides provide the necessary rigidity. This in combination with highest grade precision rolls which upon request can be delivered with hardened and ground surfaces. Rolls with grooves or Adiprene coating can be ordered as well.

A motor-powered modern machine the 4135 features rolls in needle bearings. All rolls have tensile strength of 700 N/mm<sup>2</sup> and are crowned to ensure even pressure onto the work piece for straight results along the length of the machine. The crowning can be ordered to specification to meet your specific application requirements.

Titan rolls offer the largest possible capacity per roll diameter of any machine in the industry allowing you to maximize both minimum possible radius and material thickness.

**Repeatable results from precision positioning and a solid drive train**

The position of the upper and lower rolls is set by hand wheels via worm gears and precision spindles. Large scales are mounted to easily position the bending rolls.

The upper and lower rolls are driven by a generously dimensioned motor also via worm gear. All transmissions are built into the left side of the machine – allowing the easy swiveling of the upper roll for removal of the work piece.

Forward and reverse feeding motion is a standard feature on all Titan 4135 rolls. The 4135 is delivered complete with a foot-operated forward and reverse switch with a protective casing

The drive train motor incorporates a brake for immediate stopping when the foot pedal is released.

Nossebro manufactures it's proprietary gear train from ground up to ensure accuracy with superior longevity.

Feed rate is 204 ipm (5,5 m/min ).

**Clever solutions make fast work**

The unique Top Lock Handle unlocks the top roll quickly in a smooth single-handed motion to open and close the *top roll with minimum effort in the shortest possible time.*

Pivoting top roll: easy removal of finished work pieces. When we say easy, we mean it. Titans unique single handed operation of the locking mechanism is the most efficient way to remove a part from a roll.



## Safety

Complying with CE and UL regulations the machine is equipped with:

- Emergency stops
- Dead Man foot pedal,
- Motor brake will immediately stop all motion if foot pedal deactivated or e-stop condition activated
- Trip wire on both sides of the machine

The electrical system is manufactured from top internationalluy available components to conform to IP 54.

## Optional Equipment



### **Special rolls**

For special applications the machines ca be equipped with rolls which have a hardened and ground surface, Rolls with grooves or adiprene coating. Also rolls can be crowned to customers specification to ensure straight work results in your major applications.

## **Configuration Data / Model**

<b>Model 4135</b>	<b>Working Width (inch)</b>	<b>Max Sheet Thickness in Steel (inch)</b>	<b>Roll Diameter (inch)</b>	<b>Main Feed Motor Output (kW)</b>	<b>Max Feed Rate (inch/min)</b>	<b>Net Weight (lbs)</b>
<b>6/20</b>	25	0.078	2.36	0.5625	204	400
<b>10/15</b>	40	0.060	2.36	0.5625	204	480
<b>12/12</b>	60	0.048	2.36	0.5625	204	560

## The NOSSEBRO factory produces the TITAN Bending Rolls



Titan is a Swedish machine tool supplier with a long history of bringing innovative, productivity enhancing products to today's fabricating industries.

Dedicated long term employees design, develop, manufacture and test Titan rolls in a quality work environment to produce a quality product for you – the end user



Titan covers the range from hand operated bending rolls up to full automatic CNC machines.



The wide range of high quality bending rolls covers the needs for all kinds of products. Typical applications, such as forming reflectors and louvers for the lighting industry, custom and prototype mufflers for the automotive industry as well as ventilation products etc. Titan Bending Rolls has been exporting from Sweden for more than 25 years.

Titan Bending Rolls is the right choice for all kinds of radii forming applications in light and medium gauge materials.

