



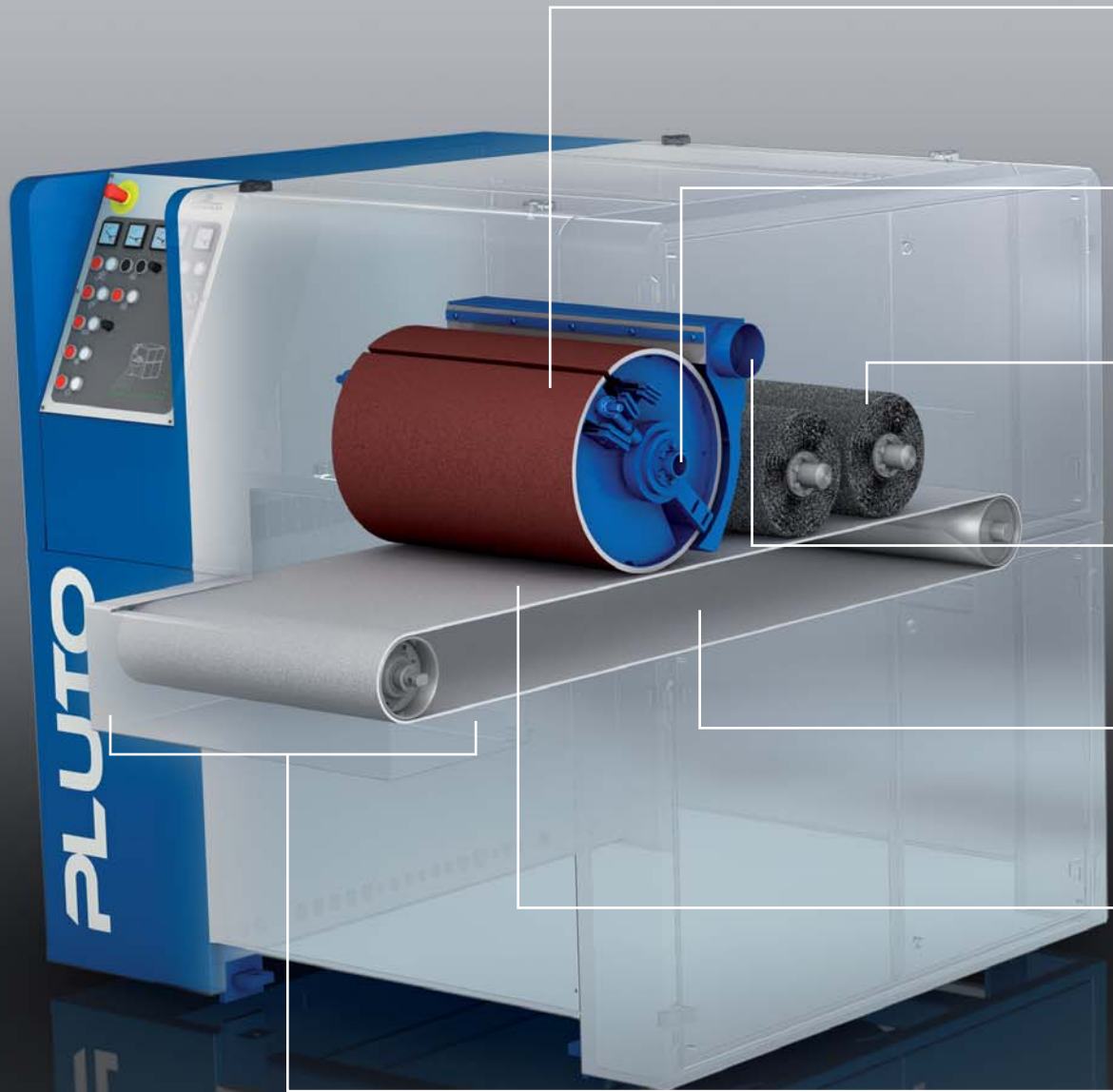
# PLUTO + TITAN

*Perfection in Deburring*



# PLUTO + TITAN

*The premier choice for deburring of flame  
and plasma cut parts*



## ... *the intrinsic values*



The highly flexible deburring drum removes material mainly on the area next to the edge



Deburring unit rides on an air-cushion enabling compensation of surface height variation of up to 6 mm



Long-lasting steel wire brush rollers to break edges  
Titan: Also available with abrasive brush rollers for edge-rounding



Flow optimized dust extraction hoods save energy and improve cleanliness



Powerful magnets securely hold parts as small as credit card size  
Pluto: Over the entire working width  
Titan: available as a 300 mm or 600 mm wide track



Chrome-leather conveyor belt is the top performer under exposure to heat and sparks



Working width  
Pluto: 600 mm  
Titan: 1.400 mm and 2.000 mm



## *At the core...*

...of the ERNST deburring machines is the unique deburring drum.

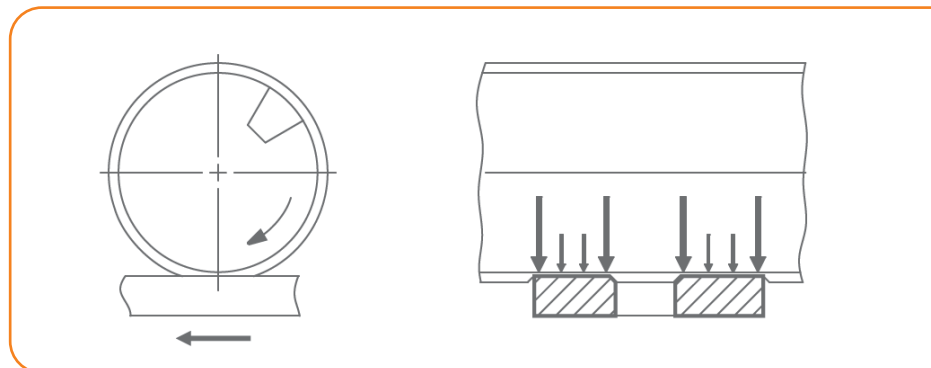
Flame and plasma cut parts often not only show significant variations in thickness. In addition stress is released in the process, resulting in distortion and bowing of the parts – which is exactly what ERNST technology is addressing:

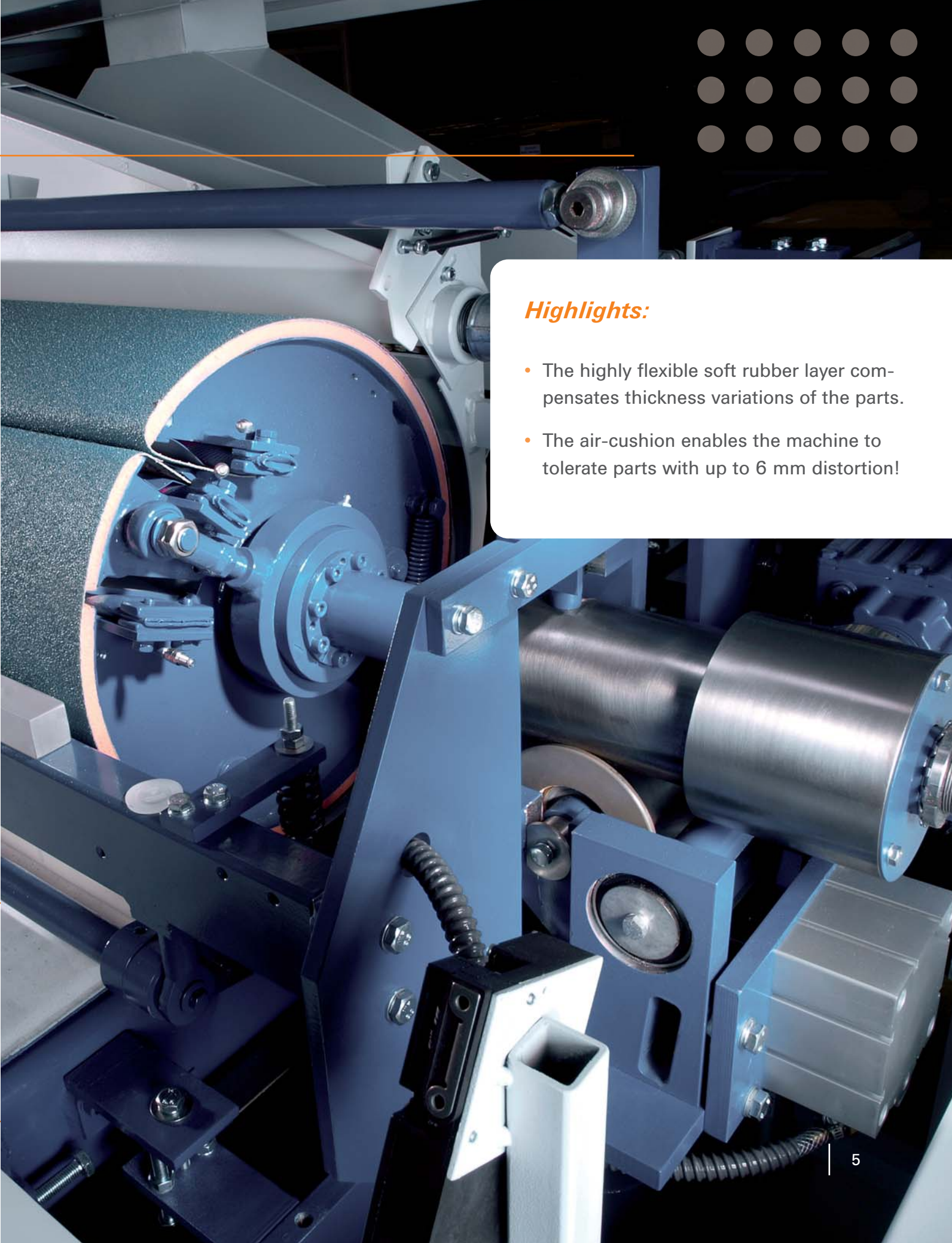
A very soft rubber layer on the drum almost exclusively applies grinding pressure to the part's inside and outside contours.

The soft rubber layer easily compensates for thickness variations of the parts.

A fiber-glass sheet beneath the abrasive protects it against cuts and tears.

The deburring unit, riding on an air-cushion, compensates for up to 6 mm of distortion.





***Highlights:***

- The highly flexible soft rubber layer compensates thickness variations of the parts.
- The air-cushion enables the machine to tolerate parts with up to 6 mm distortion!

## *Users...*

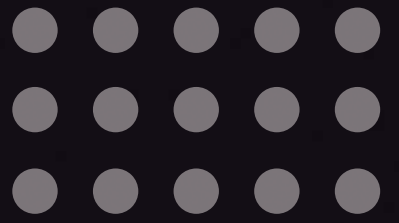
Steel-Service Centers from all over the world have trusted the superior ERNST deburring technology since many years.

Other user groups are:

- Steel construction
- Agricultural equipment
- Construction equipment
- Machine tool builders
- and many other companies which operate thermal cutting equipment

Even with only one shift of manually deburring, the ERNST machines pay off extremely fast. The abrasive consumption is significantly lower than on other systems since material is only removed around all edges.





***Highlights:***

- Enormous improvement of quality
- Consistency of results
- Tremendous cost savings
- Reduction of lead times
- Avoidance of health hazardst

## Technical Specifications:

	Pluto	Titan	Titan
Working width	600 mm	1400 mm	2000 mm
Weight	2200 kg	3100 kg	4100 kg
Power	15 kW	35 kW	50 kW
Current	30 A	70 A	100 A
Air consumption	40 NI /5 bar	80 NI /5 bar	80 NI /5 bar
Exhaust air requirements	2000 m <sup>3</sup> / h	5000 m <sup>3</sup> / h	7000 m <sup>3</sup> / h
Abrasive sheet dimensions	600 x 1540 mm	1400 x 1540 mm	2000 x 1540 mm
Fixed working height	850 mm	850 mm	850 mm
Width	1600 mm	2670 mm	3270 mm
Length	1930 mm	1950 mm	1950 mm
Height	1550 mm	1500 mm	1500 mm

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Paul ERNST Maschinenfabrik GmbH  
Alte Meckesheimer Strasse  
74927 Eschelbronn  
Germany

phone: +49 (0) 62 26 / 95 04-0  
fax: +49 (0) 62 26 / 95 04-40

email: [info@ernst-maschinen.de](mailto:info@ernst-maschinen.de)  
[www.ernst-maschinen.de](http://www.ernst-maschinen.de)