

# NEW-TEM

## PRODUCT DATA SHEET

THE ONLY TEM WITH HORIZONTAL  
DEBURRING CHAMBER PATENTED



## XP XL9100

This thermal deburring machine features a deburring chamber with an internal diameter of 410 mm and variable lengths from 500 to 600 mm; it is designed for deburring large blocks of aluminum, steel and cast iron, using an operating pressure of 2 to 16 bar.

Operating pressures  
(bar)



Chamber length  
(mm)



Diameter chamber  
measures (mm)



### THE ADVANTAGE OF THE HORIZONTAL REVOLUTION

#### 1. MORE CARE IN THE TREATMENT

With New-Tem the main flame is tangent and acts over the basket, in this way the flame does not hit directly the pieces.

#### 2. RANGE EXPANSION OF TREATMENT

The tangent flame over the basket allows to expand the range of treatable pieces, no longer subject to superficial burns.

#### 3. RESULTS UNIFORMITY

The baskets are completely surrounded by the deburring atmosphere avoiding the presence of protected areas.

#### 4. HANDINESS

The rectangular shape of baskets, containing the pieces, facilitates the insertion in to the chamber and reduces the time for the manual positioning of the pieces.

#### 5. CHAMBER INTERCHANGEABILITY = FLEXIBILITY

An easy interchangeability of the deburring chambers of different lengths gives the possibility of production change.

#### 6. SAFE IGNITION

The use of low voltage current for the ignition of the mixture with an innovative system allows an easy ignition even at low pressures.

#### 7. SIMPLIFICATION

The stroke of the chamber closing cylinder has been remarkably reduced: only 20 mm.

#### 8. COST REDUCTION

We obtained a considerable simplification of the machine, which is extremely compact and allows a significant costs reduction of installation, maintenance and support.

### OTHER FEATURES

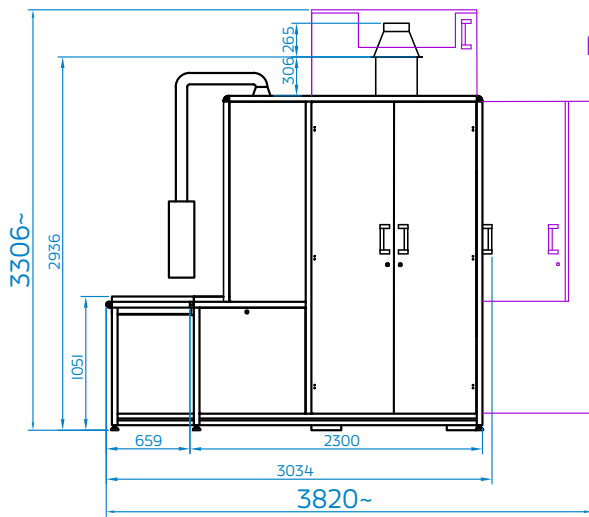
- Reduction of electricity consumption = respect for environment
- Availability of components
- Remote control high technology
- Safety



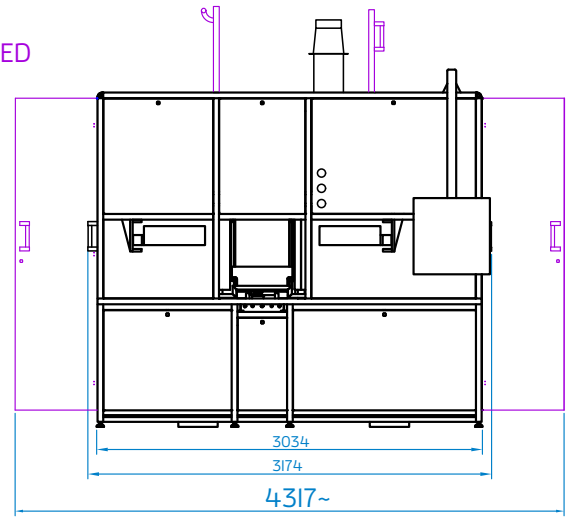
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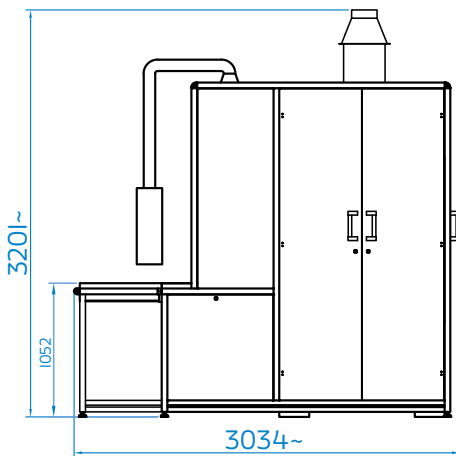


LAYOUT DOORS OPENED

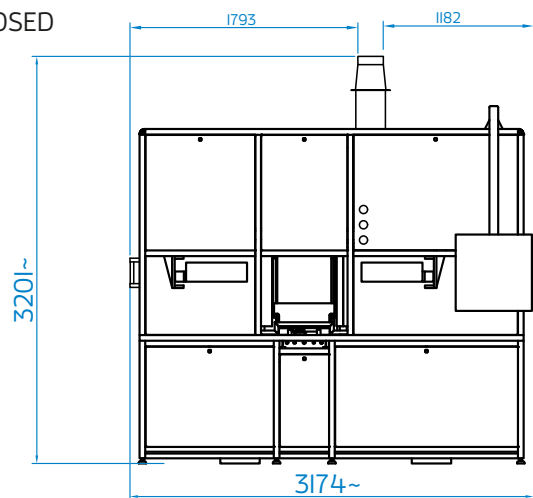


SIDE VIEW

LAYOUT DOORS CLOSED



FRONT VIEW



Machine dimensions	
Length [mm]	3034
Width [mm]	3174
Height [mm] (with discharge chimney predisposition)	2900
Weight [kg]	14000

Operating pressures [bar]	from 2 to 16
Cycle time [sec]	—
Installed power	20kw
Line voltage	380V 50Hz (3P+N+T)
Auxiliary voltage	24 V DC

Deburring chamber measures	
External length [mm]	from 500 to 600
Internal useful length [mm]	from 480 to 580
Diameter [mm]	410

The new New-Tem deburring machines are certifiable as conforming to the **INDUSTRIA 4.0** measures (compliant with Directive 2006/42 / EC and **subsequent amendments**).

The new deburring machines can be served by robotic feeding systems, with automated or manual rollers according to the requests of our customers.

