

RUBBOT 2100



The fully automatic robot for installing ejection rubber on flat dies.



Accuracy

Dimension & Weight

Power & Consumption

Hardware:
Windows OS based

Data input .DXF

Rapid axis XY 120 m/min

Acceleration up to 3G

Dimensions machine body
4263 x 2840 x 1600 mm

Dimensions area
with safety barriers
5900 x 4600 mm

Weight machine body 2,400kg

Power Supply
400V/220V +/-10% 50/60Hz 3Ph

Air Pressure 6/7 bar

Power consumptions 5.0 kW

Advisable power connection 16A

Technical specifications can change without notice

Serviform machines are proudly manufactured by Proform S.r.l.

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Serviform America was formed in August of 2015, in partnership with Proform S.r.l the manufacturing division of Serviform, to provide a domestic parts and service organization for all Serviform machines in North America. In 2020, Serviform America added Cutlite Penta to their equipment arsenal and became the exclusive agent of Serviform equipment and Cutlite Penta Laser Systems in the United States and Canada. Serviform America is committed to providing customers with the highest level of service as well as a robust inventory of parts for Serviform benders, milling machines, rubber processors and Cutlite Penta flat, rotary and combo laser systems.

SERVIFORM

Numbers that count in Italy!



+104%

Increase of machine install's from 2007 to 2022



+60:

Employees



5

International patents



7%

Turnover reinvested in Research and Development annually



+4500 mq:

Office area and production departments



91%

Export turnover



+700

Companies using our machines



+62

Countries where we have machines installed



12

Research and Development active projects



72.400 kw:

Energy produced by Serviform photovoltaic park

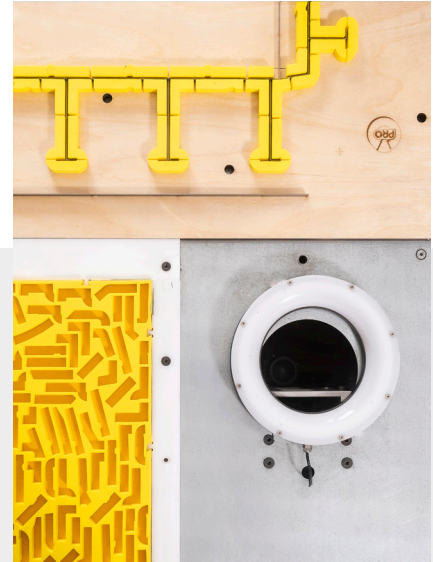
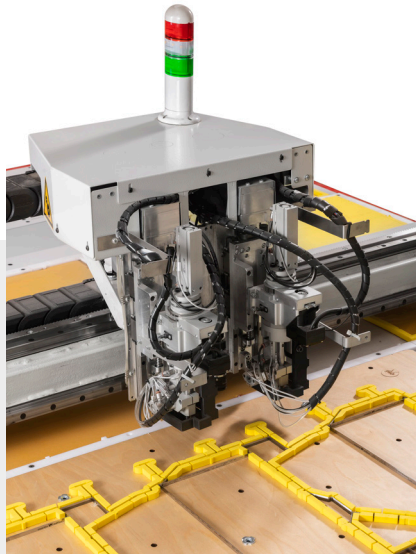


+150

Customers visiting per year

RUBBOT 2100

Rubbot 2100 is the first fully automatic system to automatically position rubber on flat bed dies.



Integrated nesting and rubber preparation software

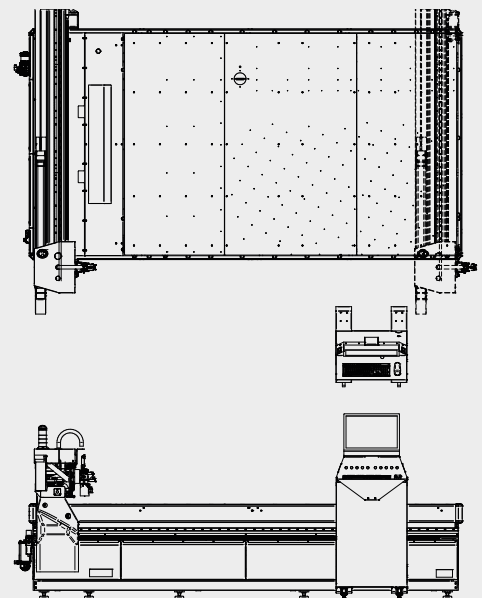
Pick and place X-Y table for the automatic position of ejection rubber

Camera device automatic position detection on every rubber piece

Works with self-adhesive rubber in different densities

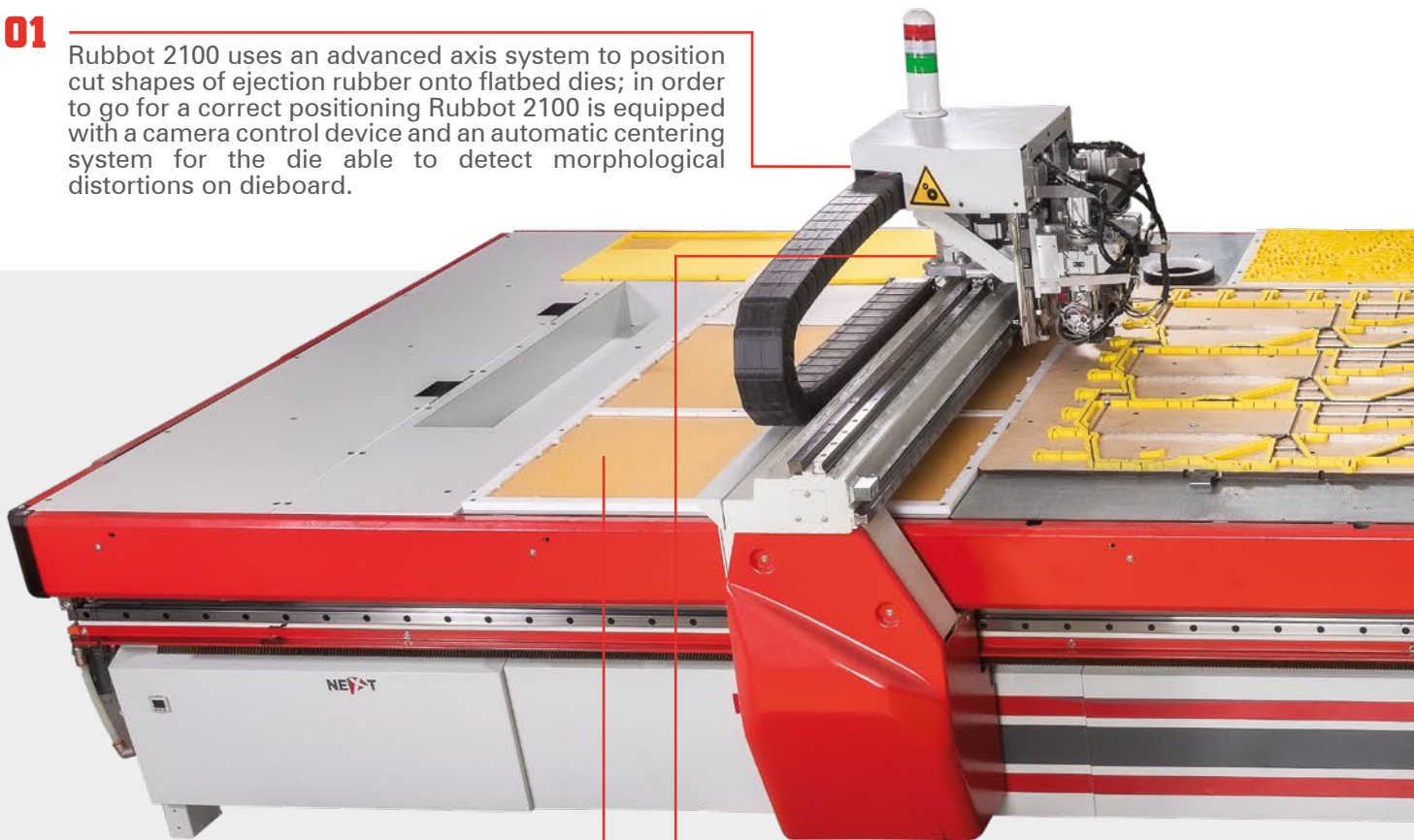
Up to 30% rubber waste savings!

Works completely unattended and eliminates rubbering bottlenecks



01

Rubbot 2100 uses an advanced axis system to position cut shapes of ejection rubber onto flatbed dies; in order to go for a correct positioning Rubbot 2100 is equipped with a camera control device and an automatic centering system for the die able to detect morphological distortions on dieboard.



02

We developed internally a control software for the machine; this software manages splitting, nesting and generation of the rubbering files in 3 clicks, in a fully automatic way without any interference with the job of the CAD office.

03

An innovative end effector (pick up device) does not compromise the elastic response of the rubber. There are TWO effectors on the Rubbot 2100 head, this way working speed of the machine is certainly faster than manual fitting.

The Rubbot 2100 software interfaces with existing cutting machines, automatically providing the cutting files used for processing. A software license is supplied with the machine for use in the CAD office.

04

Rubbot 2100 is an extremely easy to use machine with no needs of specific skills, it works completely unattended.

05

