

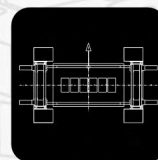
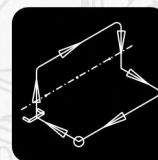
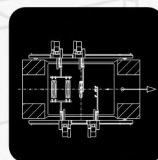
PRODTY[®]

technology with common sense

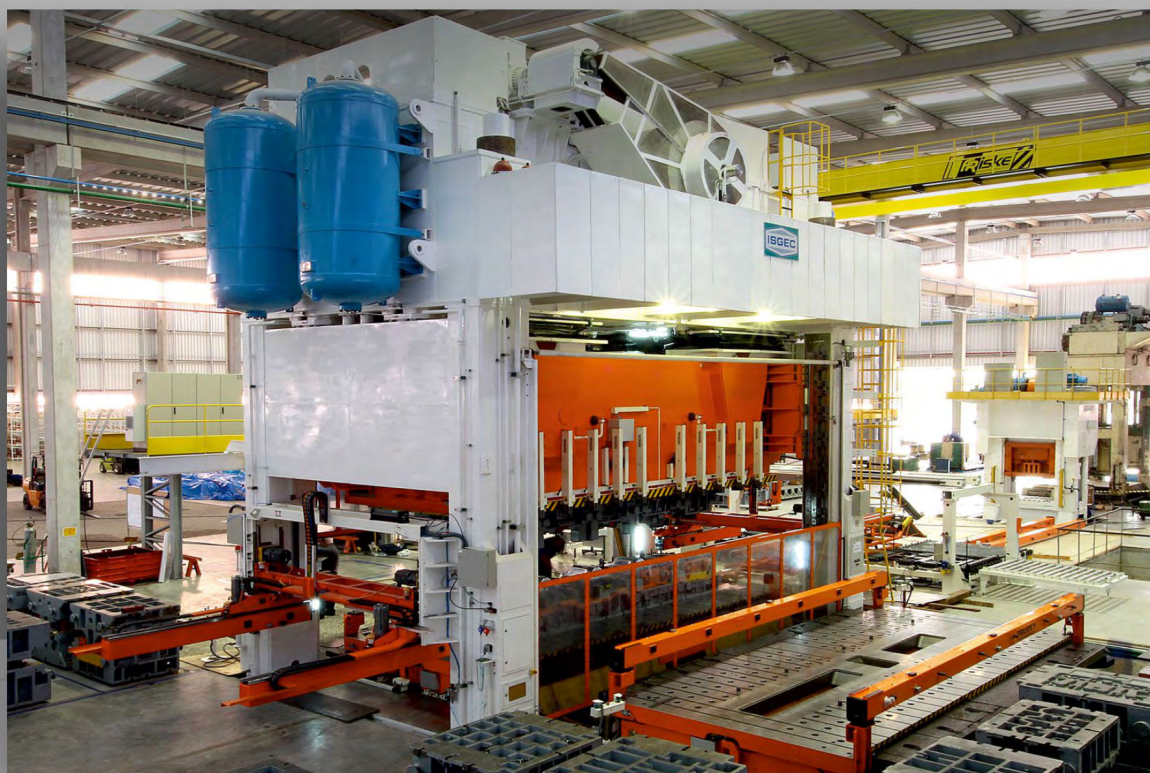


Made in Brazil since 1982

TRANSFER FEEDERS MANIPULATORS TRANSPORTERS



TRANSFER



August 2025

Transfer Type	Characteristics of Prody equipment	Page
INTRODUCTION	Company / Types of Installation / Characteristics of the equipment	3
PAF	PAF type transfer, 6 modules / feeder and unfeeder conveyor	6
PAF	Transfer type PAF, 2 modules / Infeed and outfeed conveyor / Feeder / Guillotine	8
PAF	Transfer type PAF, 2 modules	10
PAF	Transfer type PAF, 1 module, low productivity in Forging (Crankshaft)	12
PAF	Transfer-Robot type PAF, 2 modules	14
PAS	Automation PAS / Shuttle / Tooling / Feeder and unfeeder conveyor	16
PFG	Transfer type PFG / Conveyor / Automation System for Blank Stacks	18
PFG	Transfer type PFG / Conveyor	20
PFH	Transfer type PFH / Conveyor	22
PFH	Transfer type PFH / Conveyor / Feeder	24
PFS	Transfer type PFS, adapted at the tool base	26
PFT	Transfer type PFT / High productivity, deep draw	28
PFT	Transfer type PFT / High productivity in Hot Forging	30

PRODTY was founded in November 1982, initially with engineering activities (development of its own products) and sales, aiming to meet a demand for peripheral stamping products, which primarily aimed to improve the conditions of:

- Productivity (automation products);
- Flexibility (quick change products);
- Quality (nitrogen cylinders);
- Integration (the final result of the system);

This demand was initially coming mainly from assembly and auto parts industries.

Starting in 1989, it began manufacturing its products, installing its machine park in a 600 m² building, where it remained until 2001. Later moving to spacious and modern facilities in its own 4,000 m² building, also incorporating new machines, aiming to better meet market demands, especially international, regarding quality, prices, and deadlines.

ACTIVITIES

PRODTY has been characterized by the constant development and improvement of its products, aiming to enhance their competitiveness, especially to compete in international markets, which it has already been doing. Achieving competitive results in products not only in the local market but also abroad. Examples of these products are:

Systems, cylinders, and nitrogen pads, with adjustable pressure, for use in stamping tools and injection molds;

Includes a complete line for stamping automation (Manipulators, Conveyors, 'Blanks' Feeders, etc);

Servo Driven Systems (C.N.C.), or mechanical, with 1, 2, or 3 axes, for transferring stamped parts between the stages of the tool;

The set of rails with claws, blades, and supports, and components for sensing parts from PRODTY is characterized by simplicity, robustness, and compactness.

Quick Change System, developed and supplied mainly in the concept of systems to achieve tool changes at the best reference levels in the 'Benchmark' sector.

The constant search for improvements that reach or even exceed the best-known references, 'Benchmarks', a result obtained mainly through the experience of our professionals, has led PRODTY to innovate concepts and products, many of which are patented, representing today more than 30 patents in Brazil, the USA, and Europe.

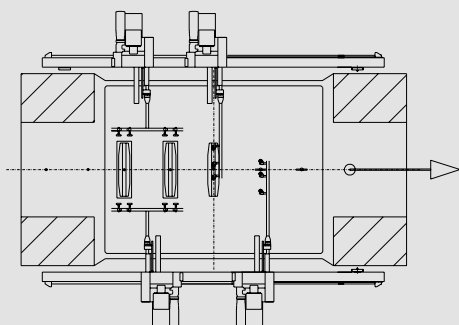
Customer satisfaction and recognition are the greatest incentives.



PRODTY holds national and international patents that cover the characteristics of its products.

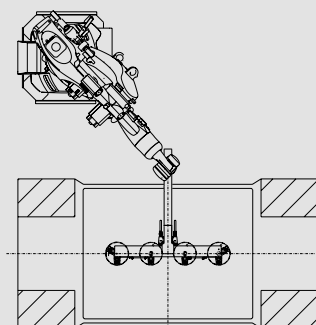
PAF

Multifunctional Robot Transfer (transfer + manipulator)



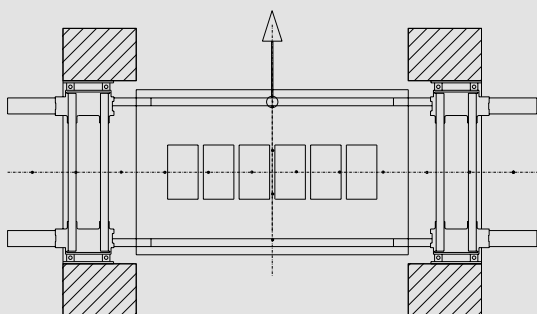
PAS

Robotization



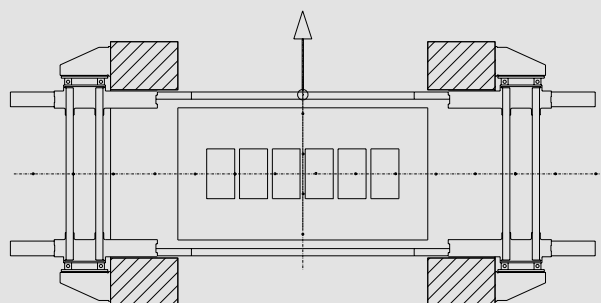
PFG

Mounted internally on the press columns;



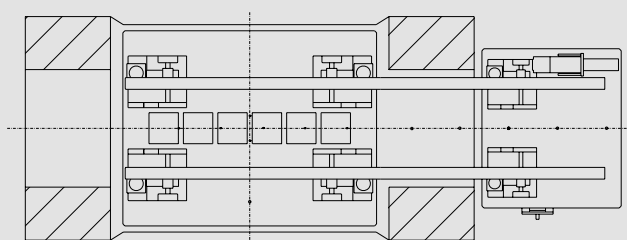
PFH

Mounted externally on the press columns;



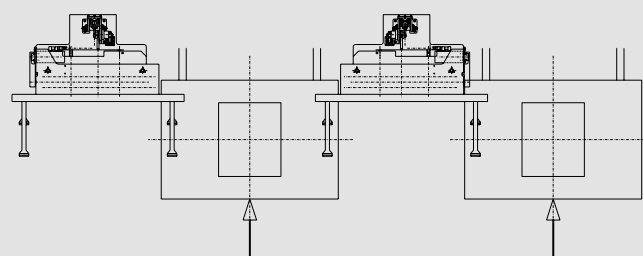
PFM

Adapted to universal bases (compact modular);



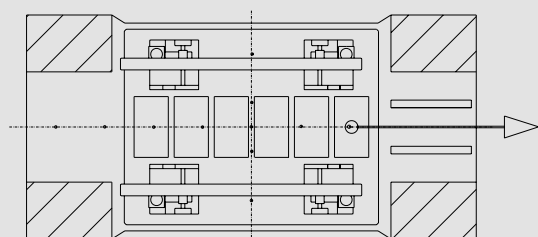
PFP

Transfer between presses.



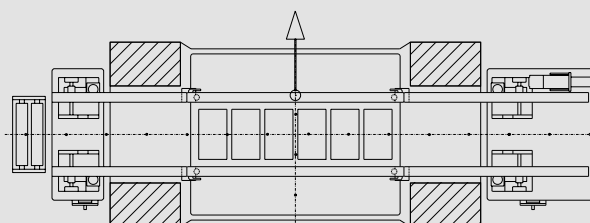
PFS

Adapted to tool bases (specific use);



PFT

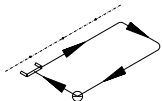
Adapted to conventional presses (rework for press);



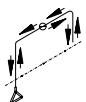
The Prody Transfers were developed using the best technology available for this purpose, such as:

Movement of the transfer axes:

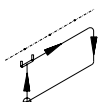
- 2 axes, conventional type (horizontal)



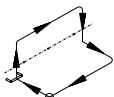
- 2 axes, Crossbar type (horizontal + vertical)



- 2 axes - lifts, transfers, and returns from below



- 3 axes (closes claws, lifts, transfers) with 3 servomotors



Control

- PLC Motion Safe Siemens S7-1500TF - Integrated safety of the program with drives (STO, SS1)
- Synchronization – Absolute with the movement of the press or Start/Stop;
- Stopping the Transfer synchronized with the Press - remains synchronized with the press to avoid tool collision with the Transfer.
- Interface with Press – Via Profinet/ProfiSAFE network or discrete IO.

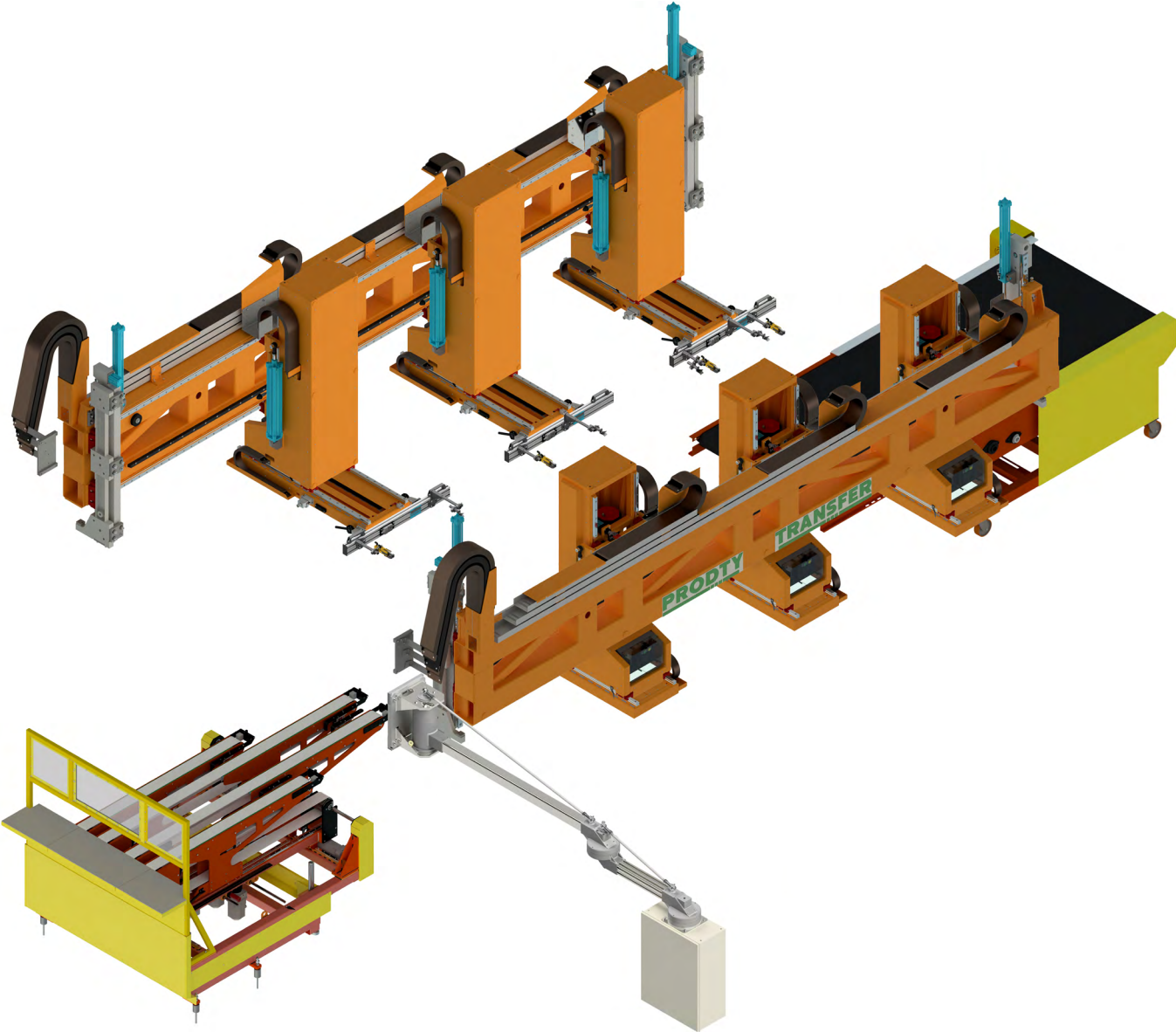
Operational

- Touch Screen control panel in Portuguese
- Operation Programming, intuitive, user-friendly, and easy, with the possibility of programming the operation recipe for each part (modification/inclusion/exclusion).
- Access to Operational commands – ID-Key switches and access by permission levels separated by operator functions.
- All movements are adjustable and programmable in terms of dimension, speed, acceleration ramps, deceleration, and interpolation between axes.
- Storage capacity in the program memory (~5,000 parts), in addition to memory card.

Maintenance

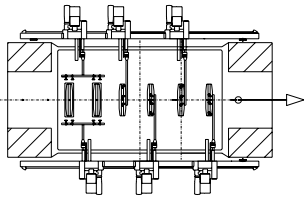
- Teleservice – Prepared for Remote Technical Assistance via wired or mobile internet (5G)
- Access to Maintenance commands – with the red ID-Key that allows maintenance on the equipment.
- Spare Parts - Most components are standard available in the market, such as: aluminum profiles, bearings, timing belts, guides, which enhances quality and reduces ownership costs (acquisition and maintenance).

PRODTY holds national and international patents that cover the characteristics of its products.



Links for Viewing

Click, share



Equipment Features

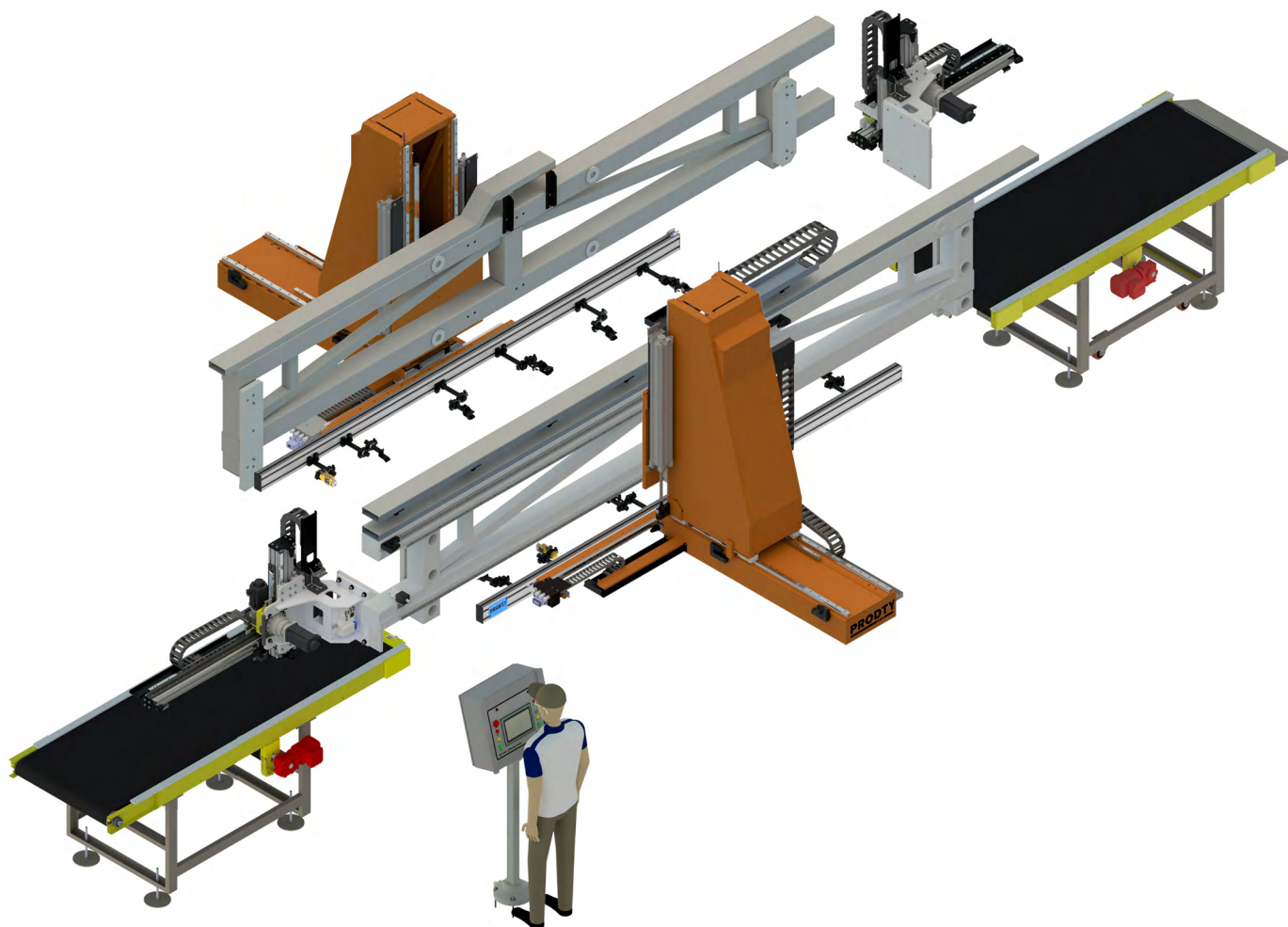
Press capacity	1.500 tons.
Table	6.100 x 2.100 mm
Stroke X	0 to 1.500 mm
Stroke Y	0 to 650 mm
Stroke Z	0 to 450 mm
Dimensions of the Blank	1.500 x 500 mm
Servomotors	29
Strokes per minute	10 / 15

Year of delivery 2018

PRODTY holds national and international patents that cover the characteristics of its products.

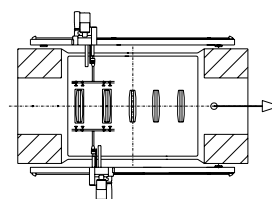


PRODTY holds national and international patents that cover the characteristics of its products.



Links for Viewing

Click, share

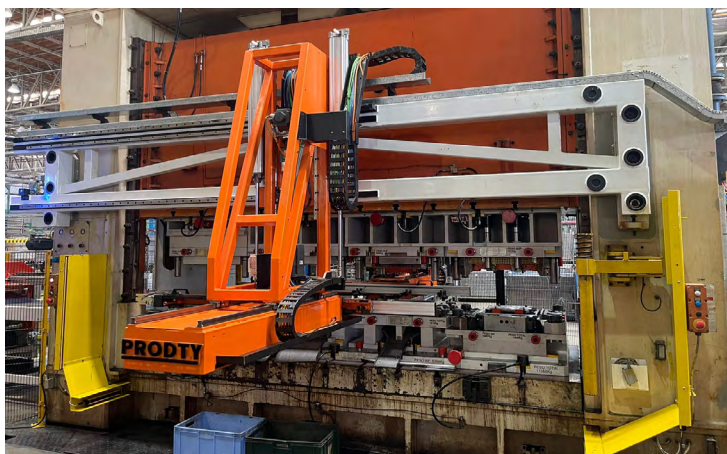


Equipment Features

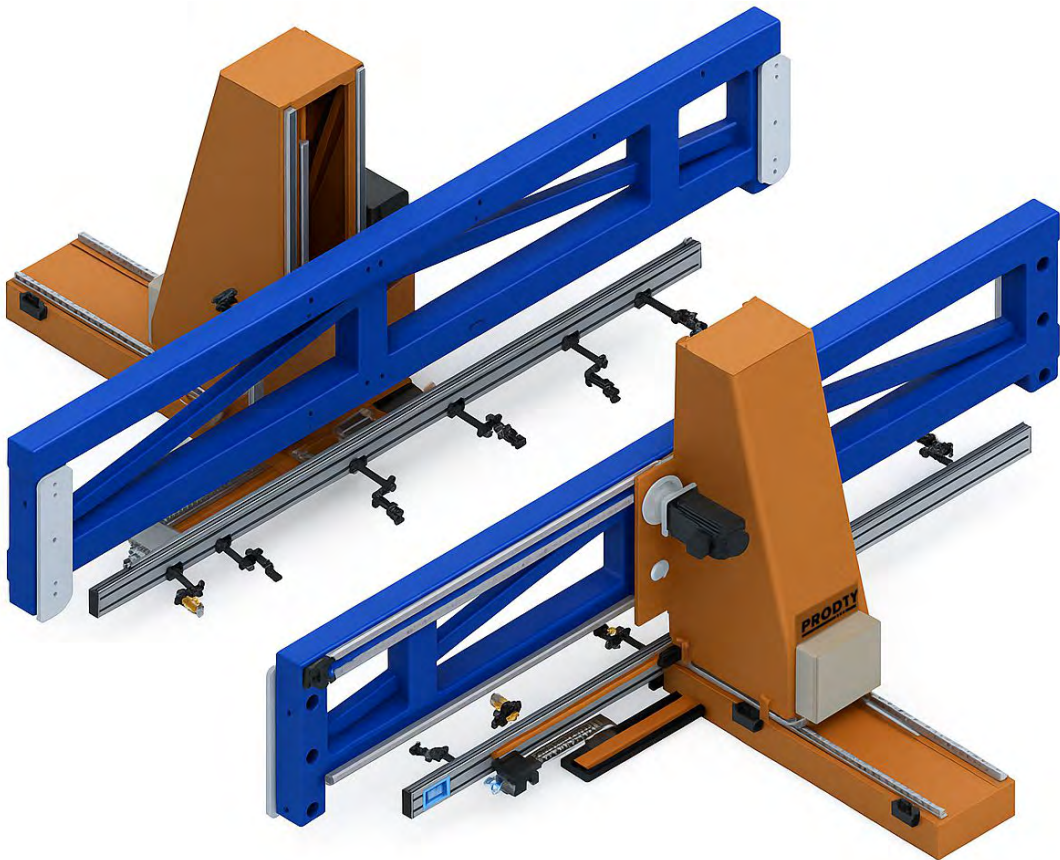
Press capacity	500 tons.
Table	4.000 x 2.400 mm
Stroke X	0 to 1.000 mm
Stroke Y	0 to 980 mm
Stroke Z	0 to 850 mm
Dimensions of the Blank	800 x 600 mm
Servomotors	11
Strokes per minute	15

Year of delivery 2024

PRODTY holds national and international patents that cover the characteristics of its products.

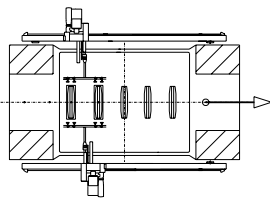


PRODTY holds national and international patents that cover the characteristics of its products.



Links for Viewing

Click, share

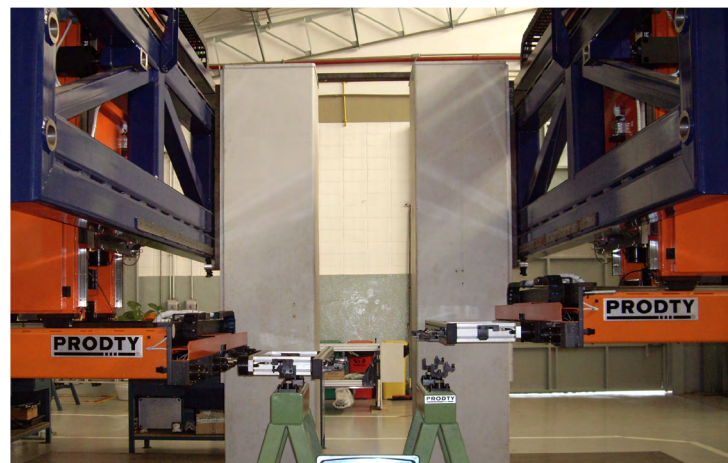
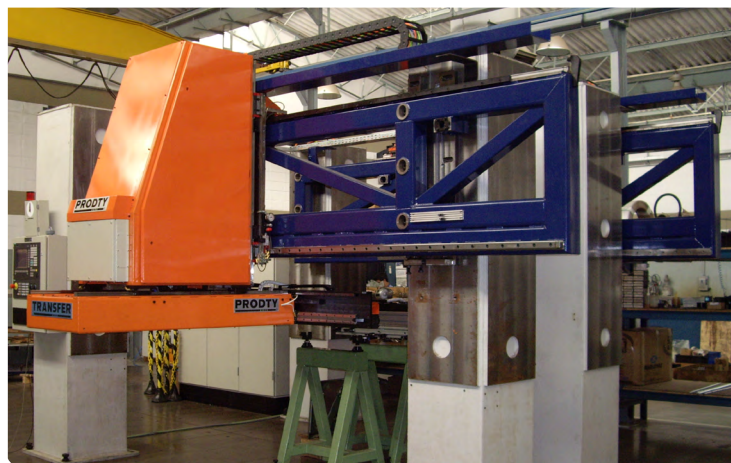


Equipment Features

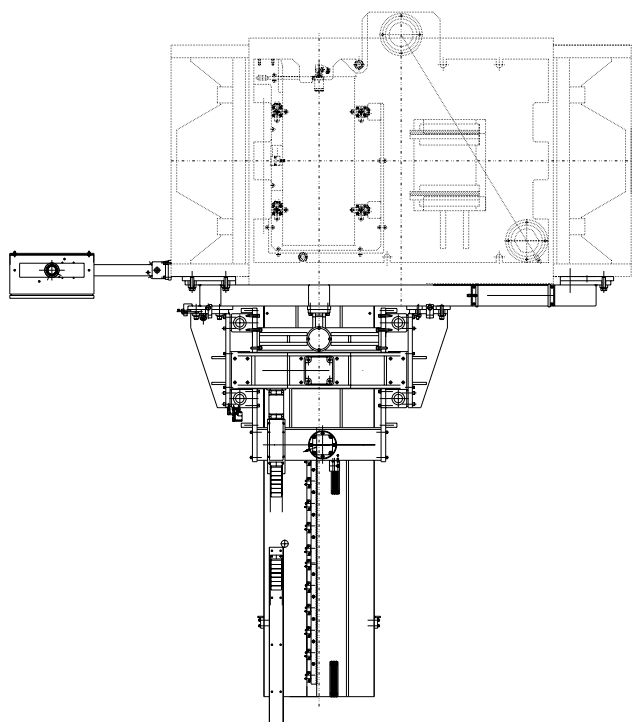
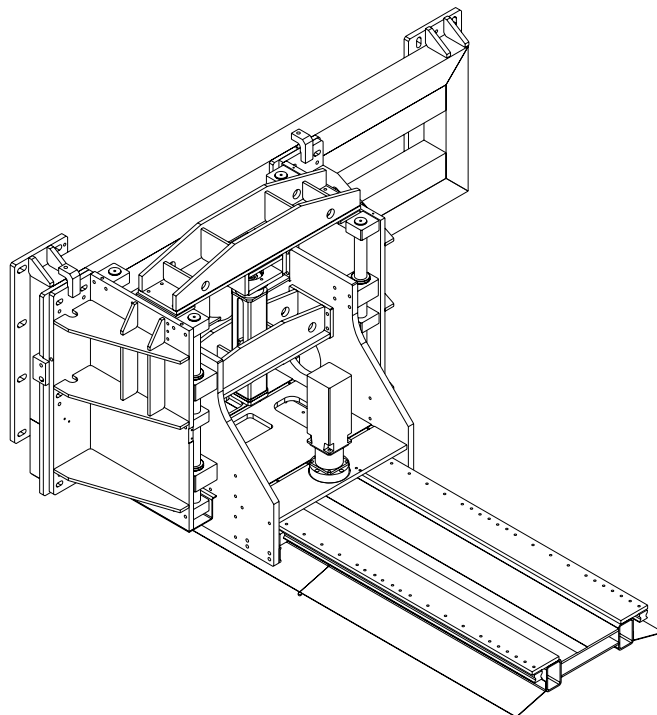
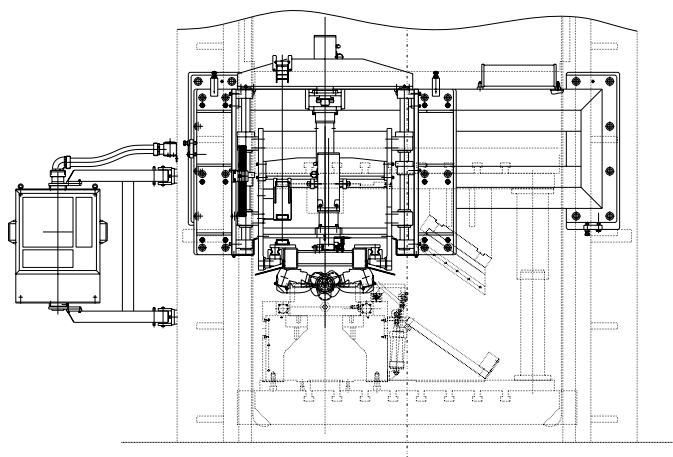
Press capacity	500 tons.
Table	2.700 x 1.900 mm
Stroke X	0 to 1.000 mm
Stroke Y	0 to 800 mm
Stroke Z	0 to 900 mm
Dimensions of the Blank	800 x 600 mm
Servomotors	6
Strokes per minute	20

Year of delivery 2006

PRODTY holds national and international patents that cover the characteristics of its products.

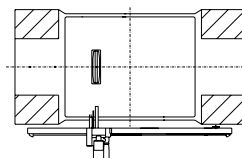


PRODTY holds national and international patents that cover the characteristics of its products.



Links for Viewing

Click, share

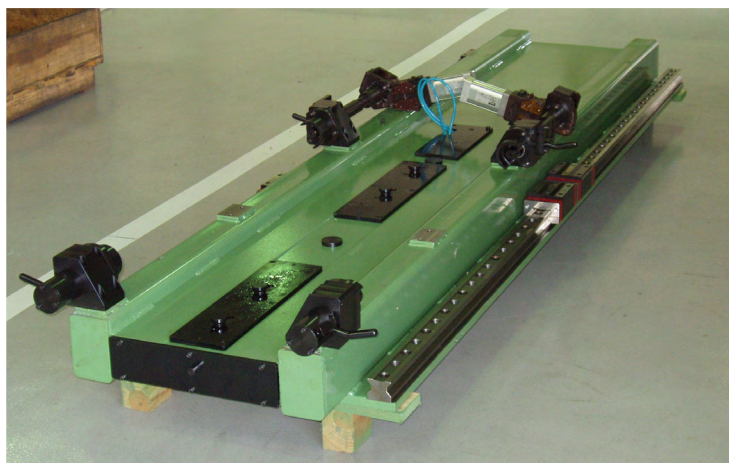


Características do Equipamento

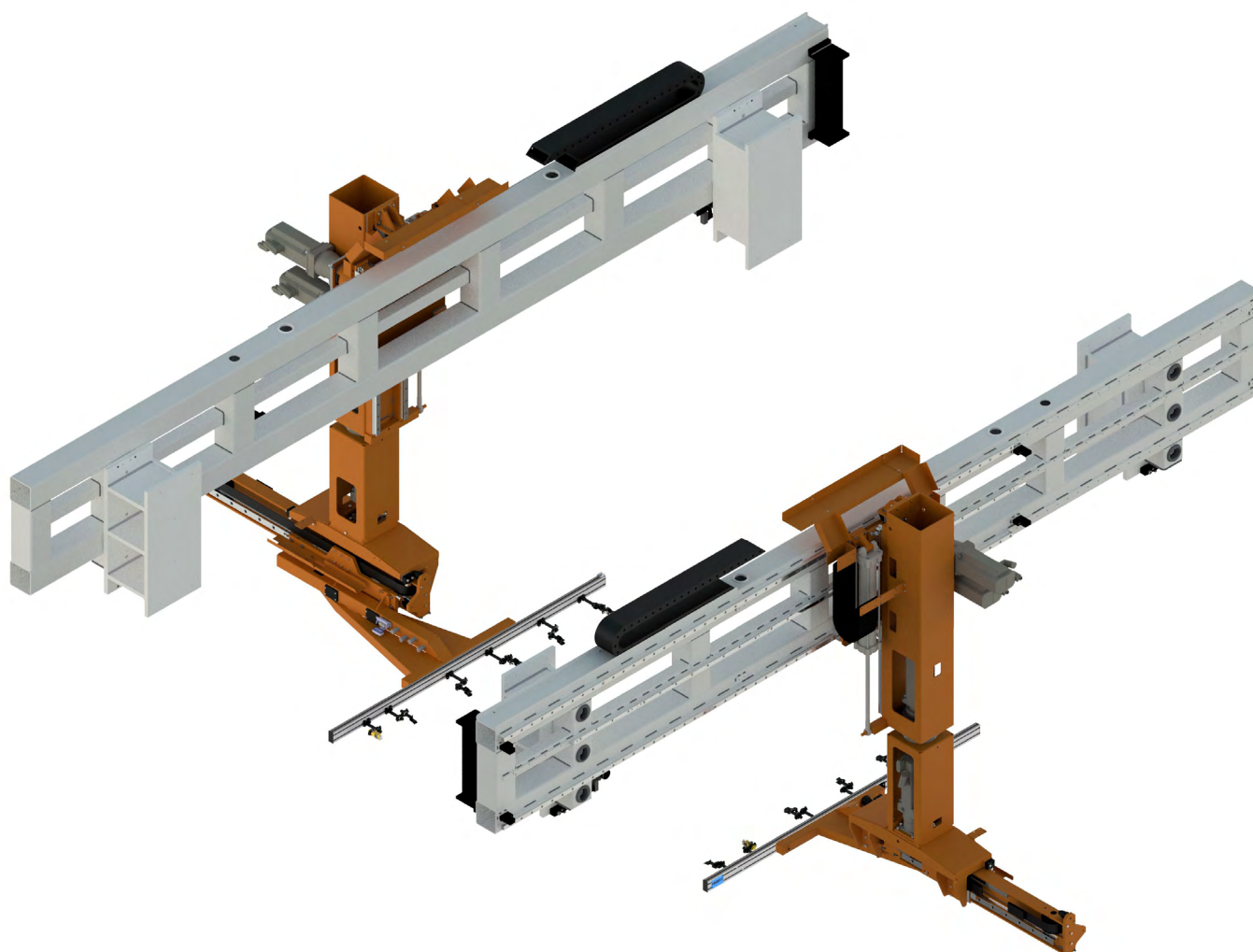
Press capacity	5.000 tons.
Table	2.170 x 1.750 mm
Stroke X	0 to 1.550 mm
Stroke Y	---
Stroke Z	0 to 300 mm
Forged Piece	150 Kg / 1.100 °C
Servomotors	2
Strokes per minute	5

Year of delivery 2004

PRODTY holds national and international patents that cover the characteristics of its products.

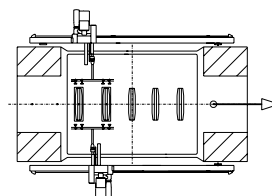


PRODTY holds national and international patents that cover the characteristics of its products.



Links para Visualização

Click, compartilhe



Equipment Features

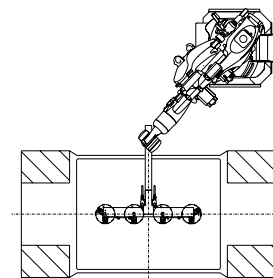
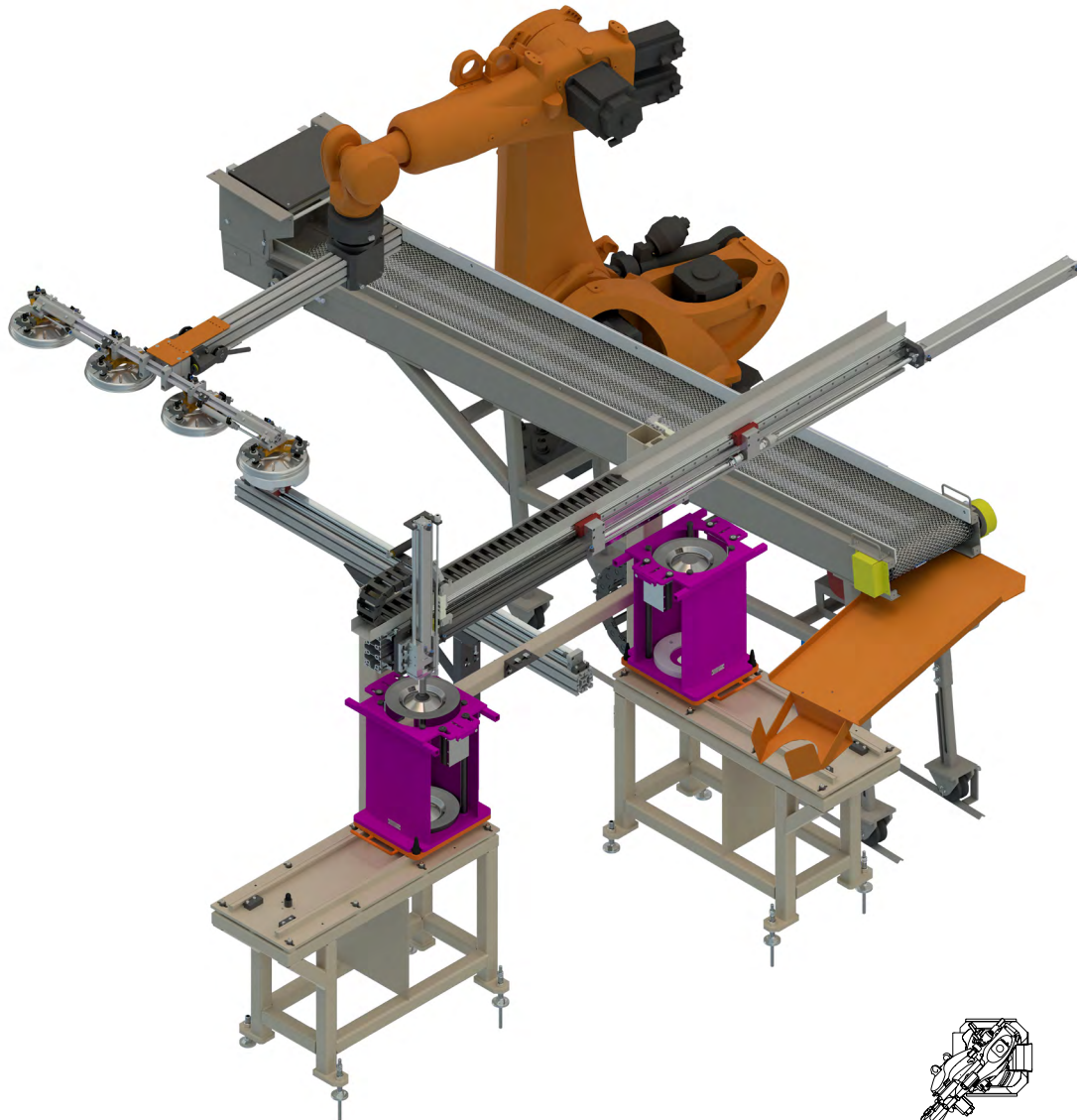
Press capacity	600 tons.
Table	3.770 x 1.800 mm
Stroke X	0 to 1.000 mm
Stroke Y	0 to 1.200 mm
Stroke Z	0 to 500 mm
Dimensions of the Blank	---
Servomotors	8
Strokes per minute	25

Year of delivery 2019

PRODTY holds national and international patents that cover the characteristics of its products.



PRODTY holds national and international patents that cover the characteristics of its products.



Links for Viewing

Click, share

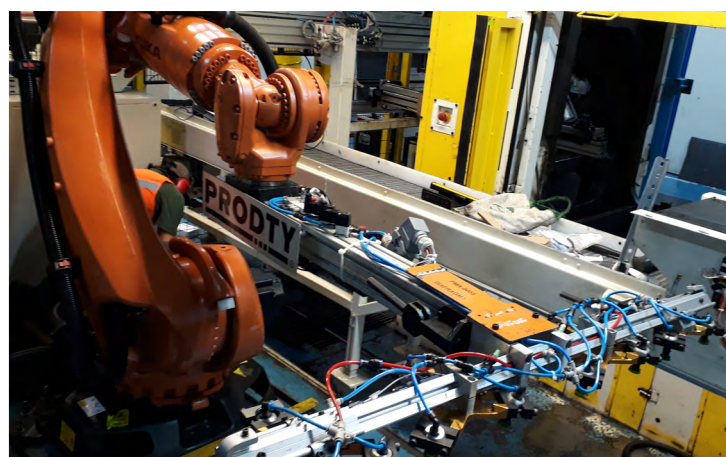


Equipment Features

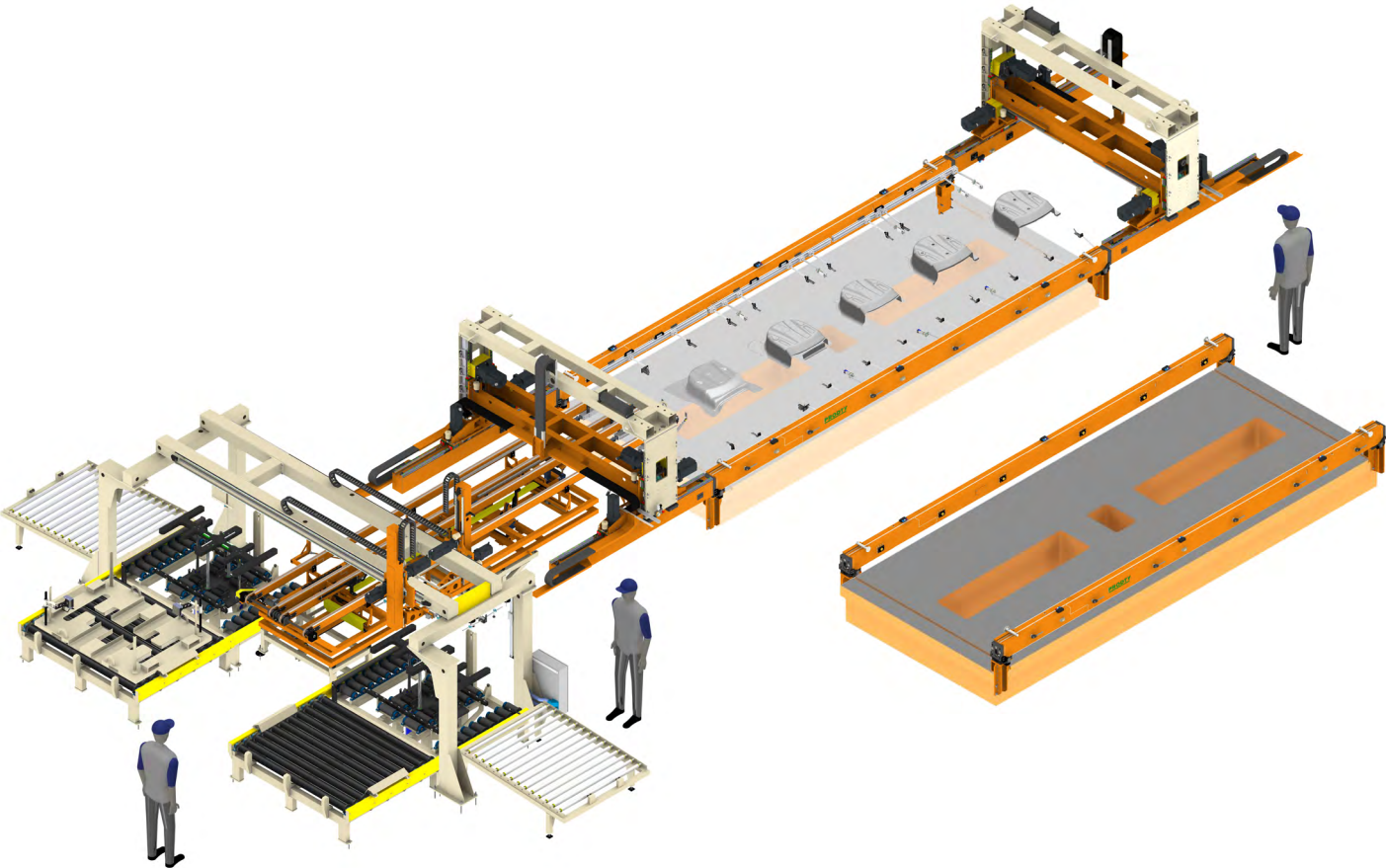
Press capacity	800 tons.
Table	1.300 x 1.100 mm
Stroke X	0 to 400 mm
Stroke Y	0 to 1.400 mm
Stroke Z	0 to 200 mm
Dimensions of the Blank	Ø270 mm
Servomotors	---
Strokes per minute	10

Year of delivery 2019

PRODTY holds national and international patents that cover the characteristics of its products.

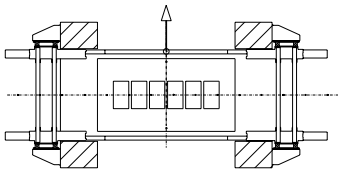


PRODTY holds national and international patents that cover the characteristics of its products.



Links for Viewing

Click, share

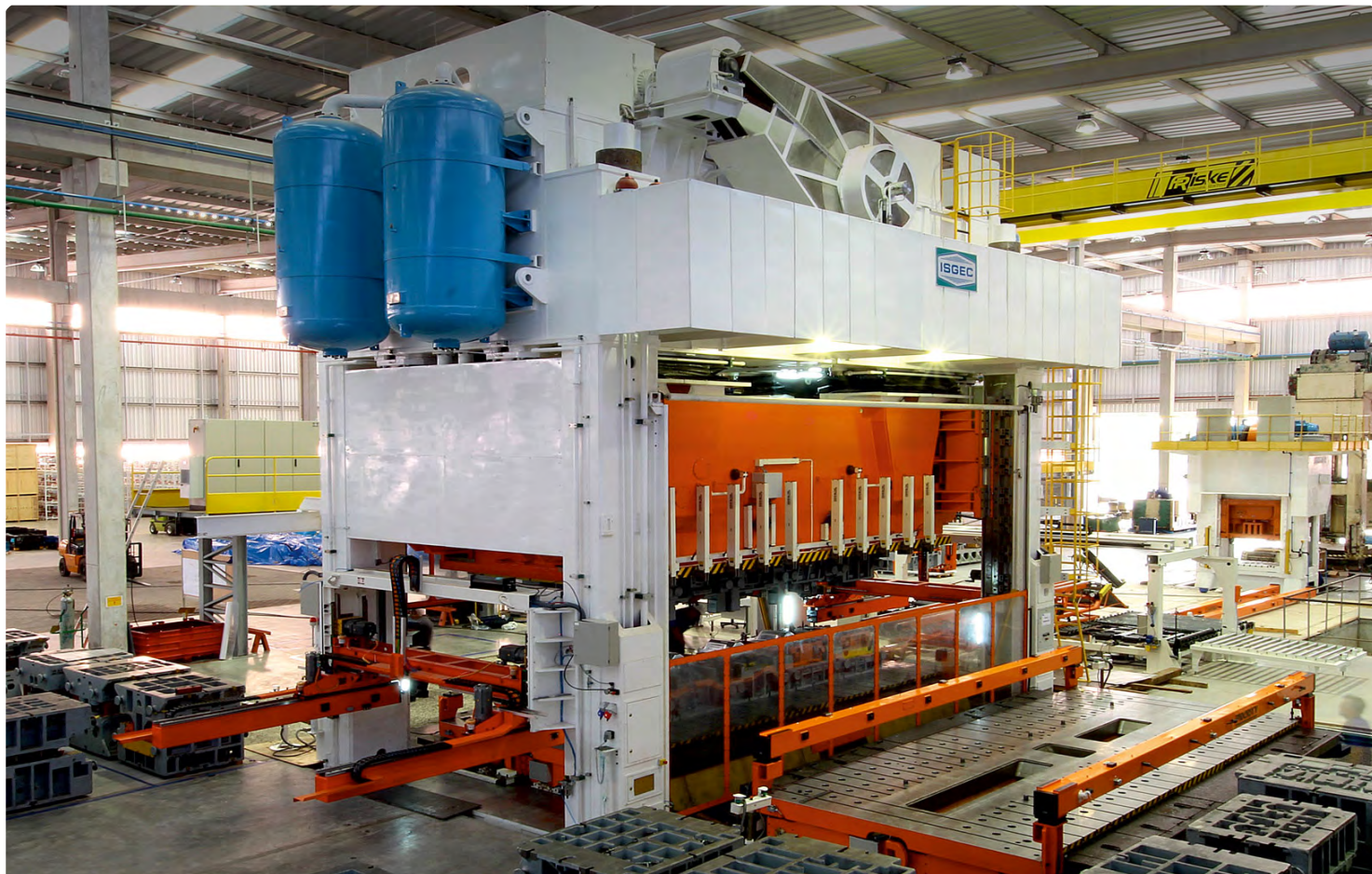


Equipment Features

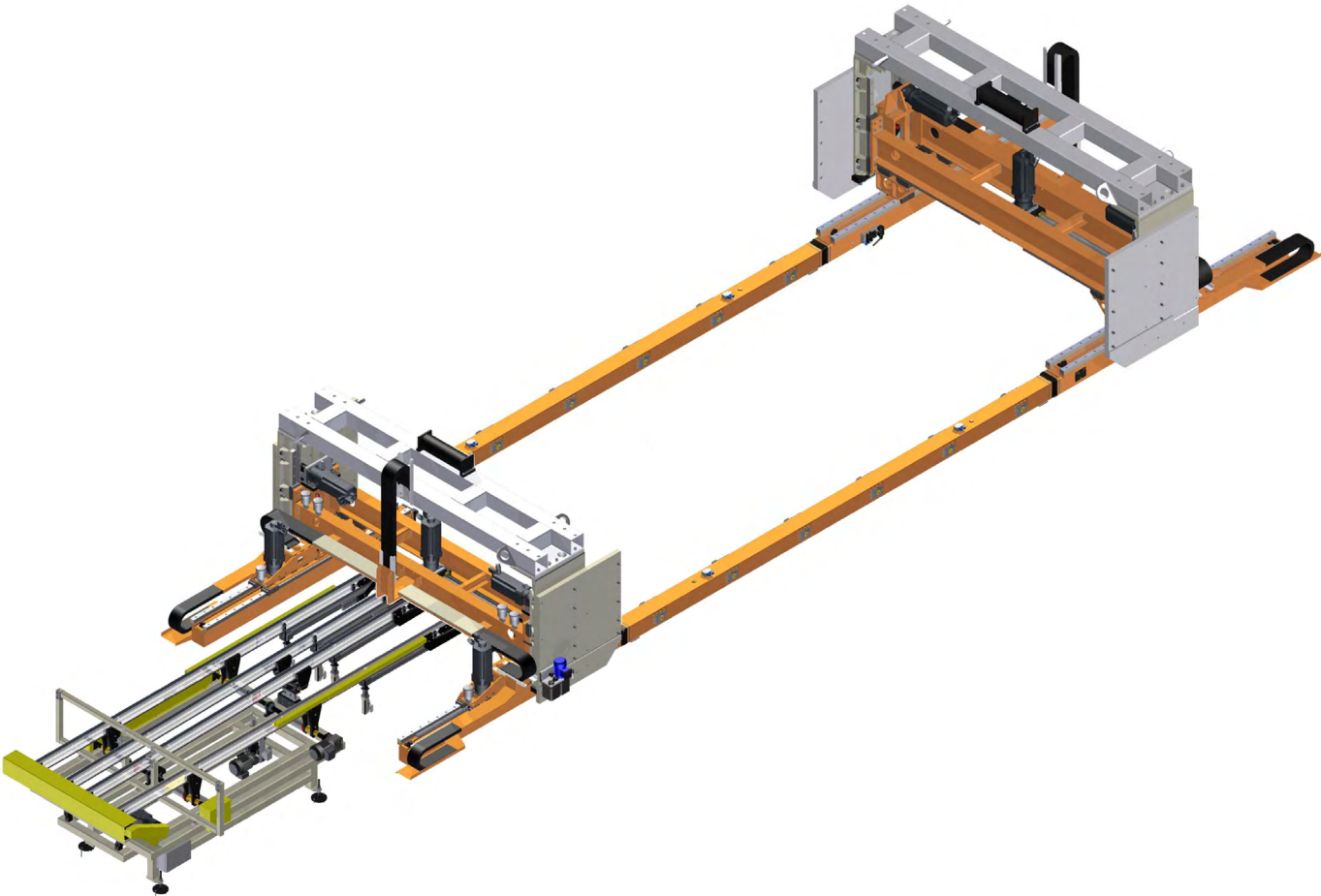
Press capacity	2.500 tons.
Table	7.620 x 3.050 mm
Stroke X	0 to 1.800 mm
Stroke Y	0 to 900 mm
Stroke Z	0 to 450 mm
Dimensions of the Blank	1.800 x 1.100 mm
Servomotors	22
Strokes per minute	18

Year of delivery 2013

PRODTY holds national and international patents that cover the characteristics of its products.

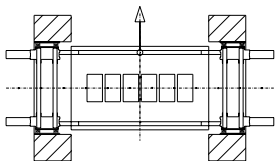


PRODTY holds national and international patents that cover the characteristics of its products.



Links for Viewing

Click, share



Equipment Features

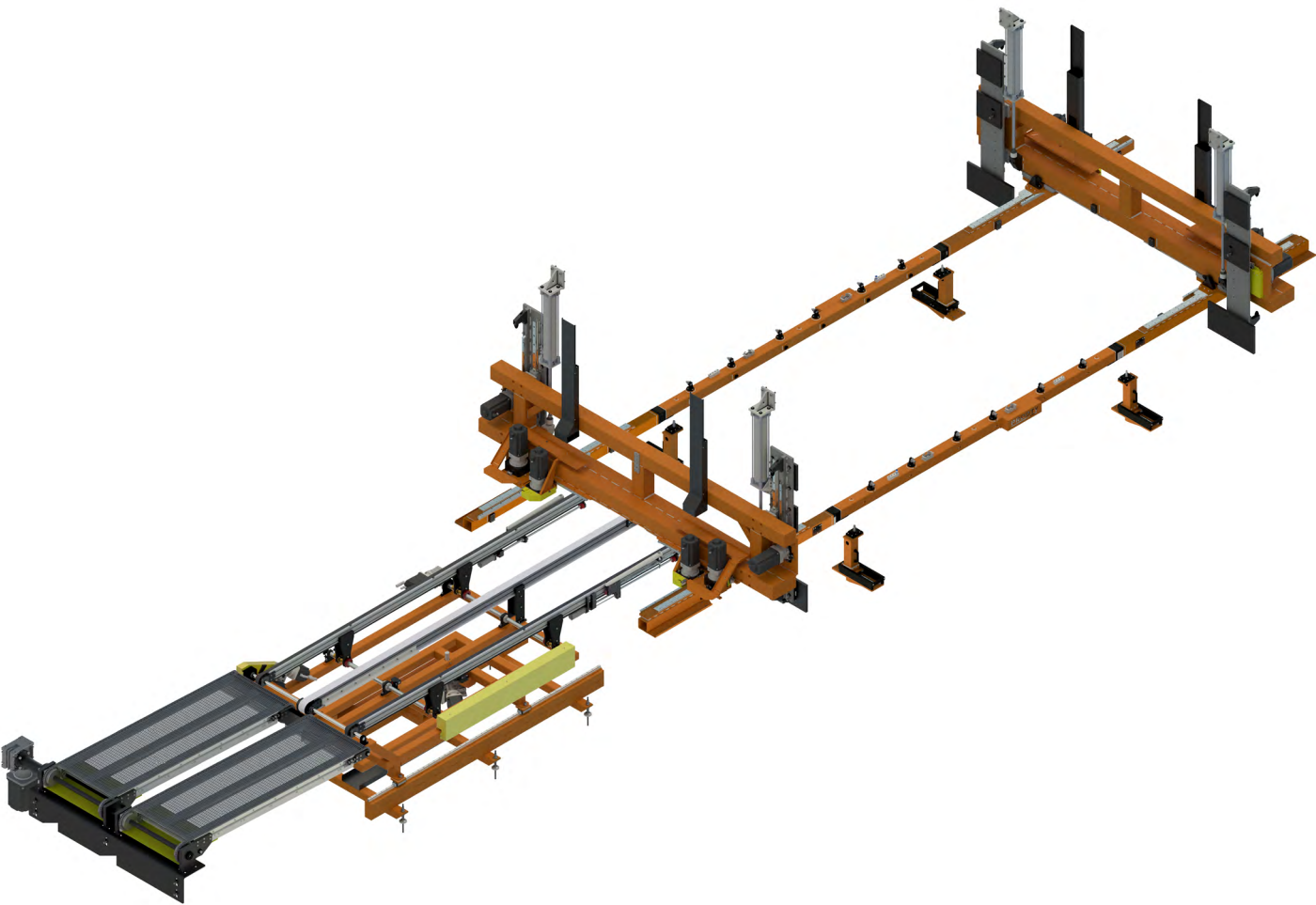
Press capacity	800 tons.
Table	5.100 x 2.500 mm
Stroke X	0 to 1.400 mm
Stroke Y	0 to 690 mm
Stroke Z	0 to 300 mm
Dimensions of the Blank	1.300 x 600 mm
Servomotors	8
Strokes per minute	20 / 24

Year of delivery 2012

PRODTY holds national and international patents that cover the characteristics of its products.

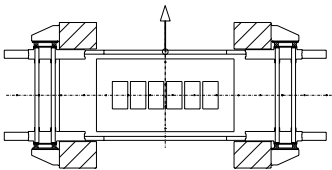


PRODTY holds national and international patents that cover the characteristics of its products.



Links for Viewing

Click, share

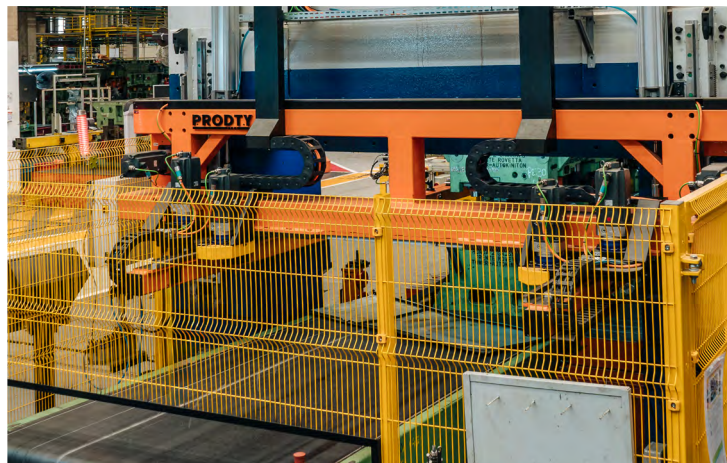
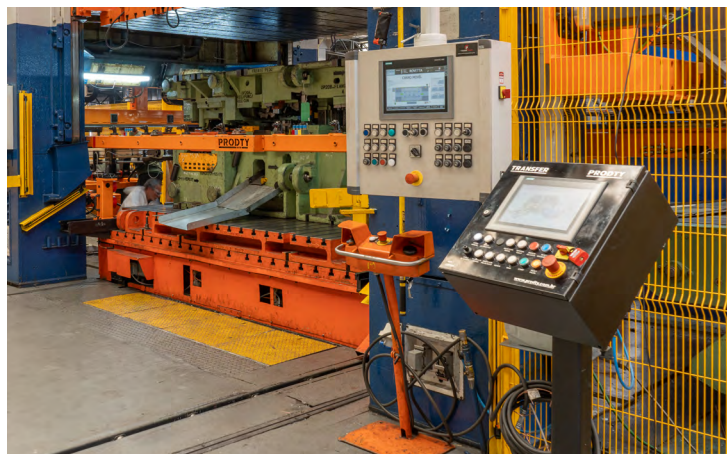


Equipment Features

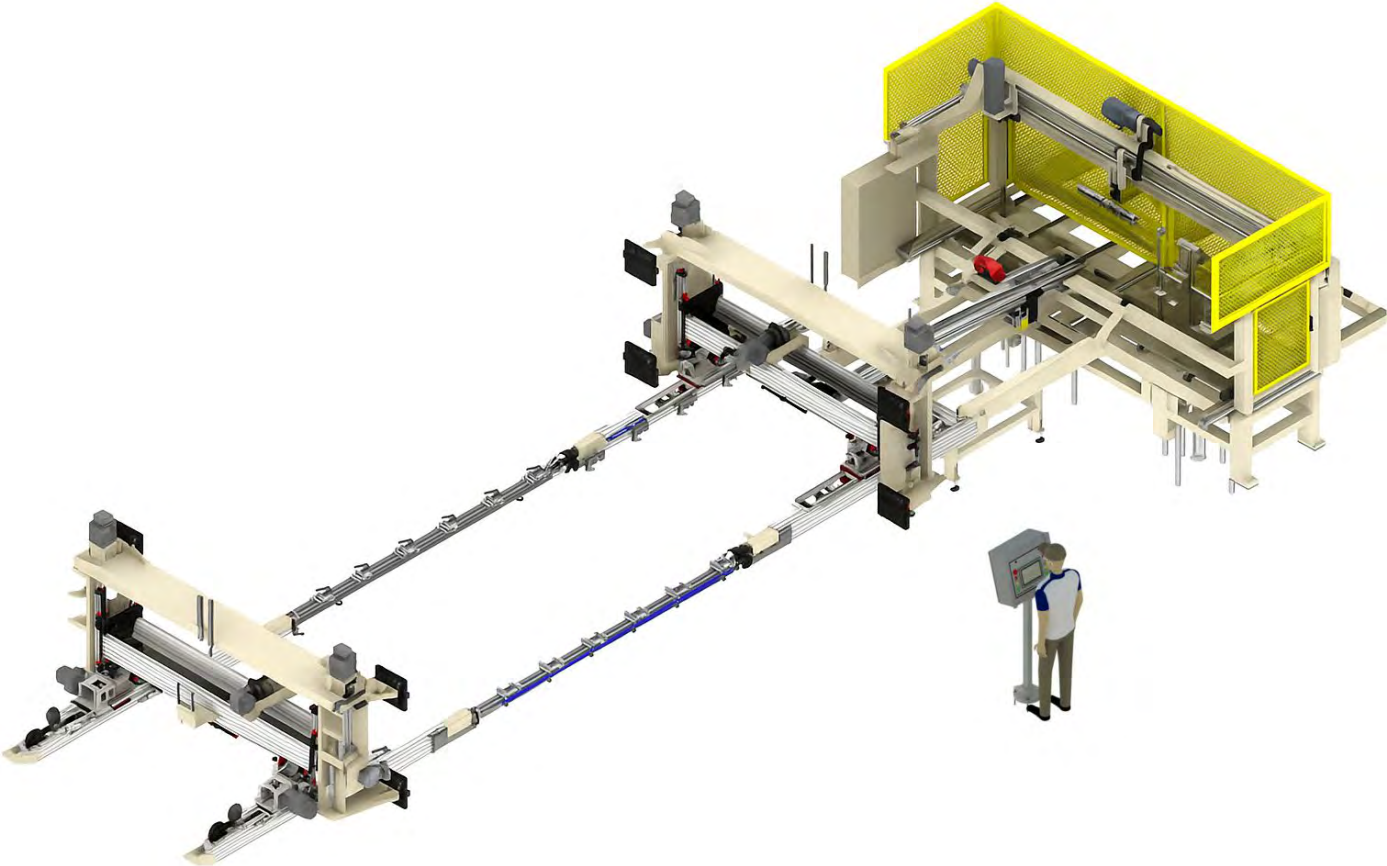
Press capacity	800 tons.
Table	4.000 x 2.400 mm
Stroke X	0 to 1.300 mm
Stroke Y	0 to 700 mm
Stroke Z	0 to 650 mm
Dimensions of the Blank	1.300 x 600 mm
Servomotors	12
Strokes per minute	25

Year of delivery 2023

PRODTY holds national and international patents that cover the characteristics of its products.

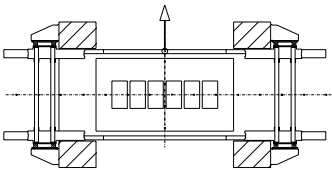


PRODTY holds national and international patents that cover the characteristics of its products.



Links for Viewing

Click, share

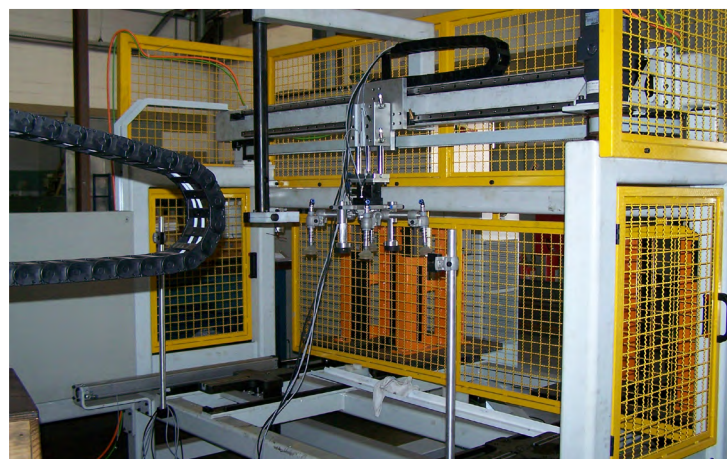


Equipment Features

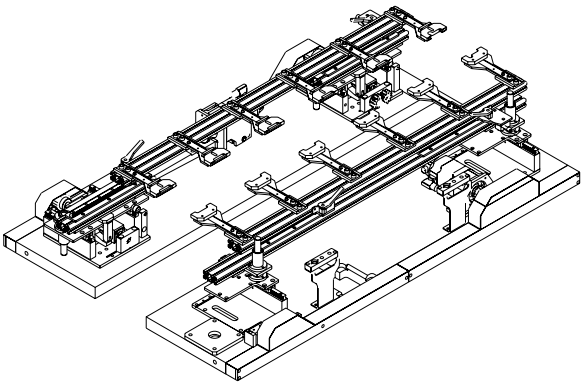
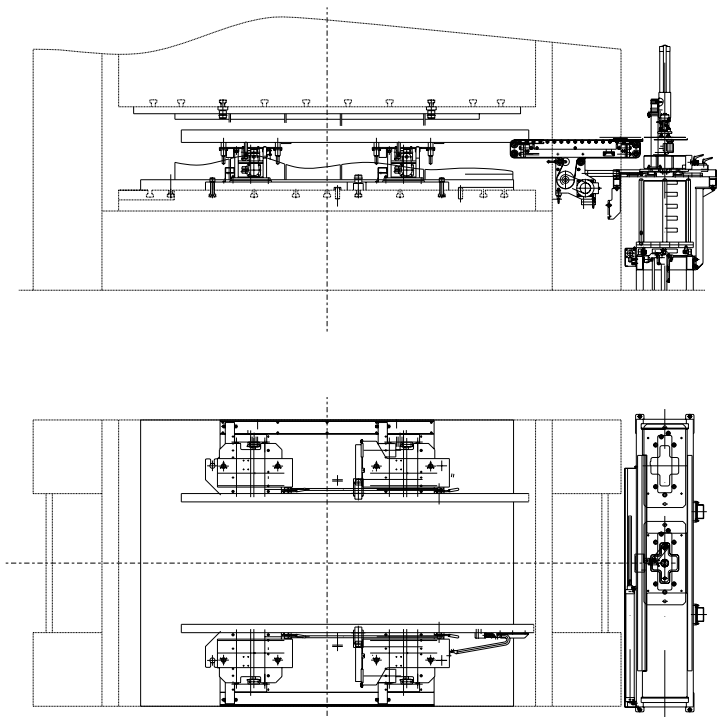
Press capacity	1.000 tons.
Table	3.800 x 1.850 mm
Stroke X	0 to 1.000 mm
Stroke Y	0 to 450 mm
Stroke Z	0 to 300 mm
Dimensions of the Blank	500 x 150 mm
Servomotors	10
Strokes per minute	25 / 35

Year of delivery 2011

PRODTY holds national and international patents that cover the characteristics of its products.

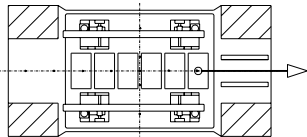


PRODTY holds national and international patents that cover the characteristics of its products.



Links for Viewing

Click, share

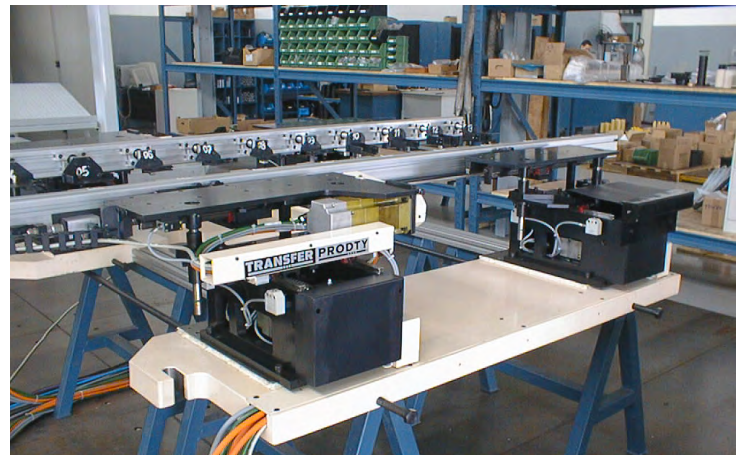
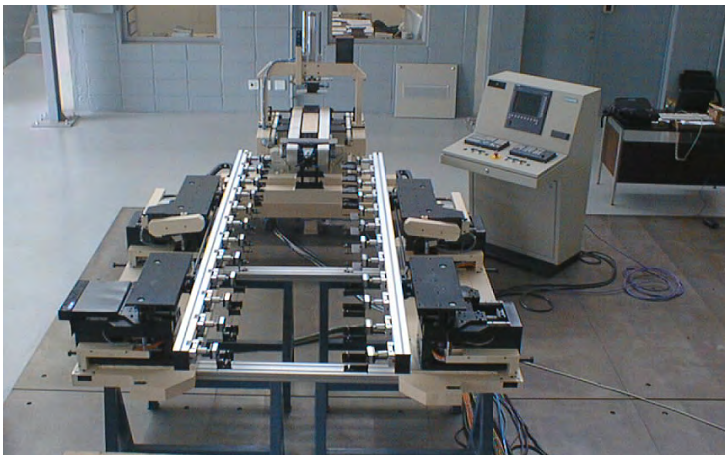
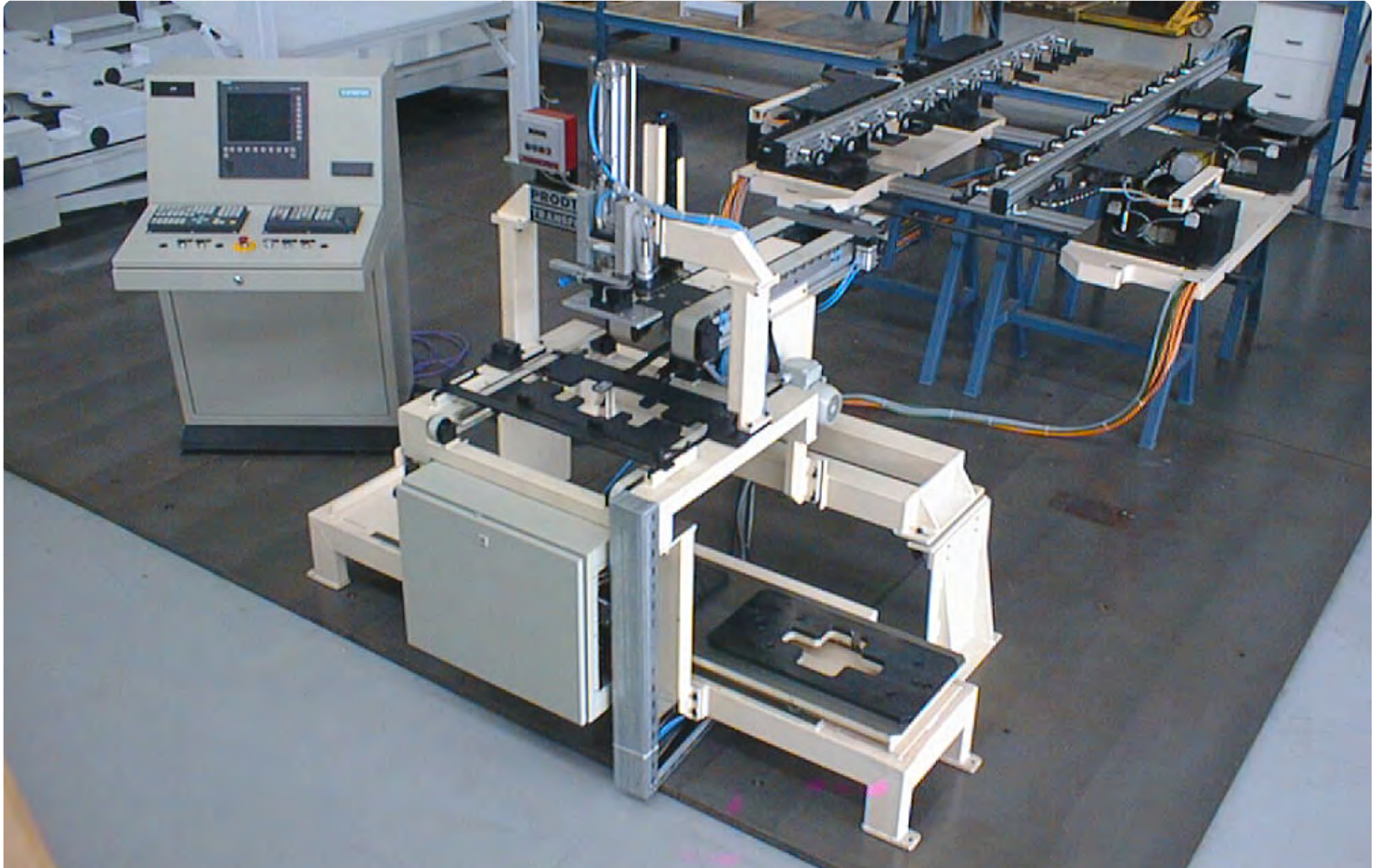


Equipment Features

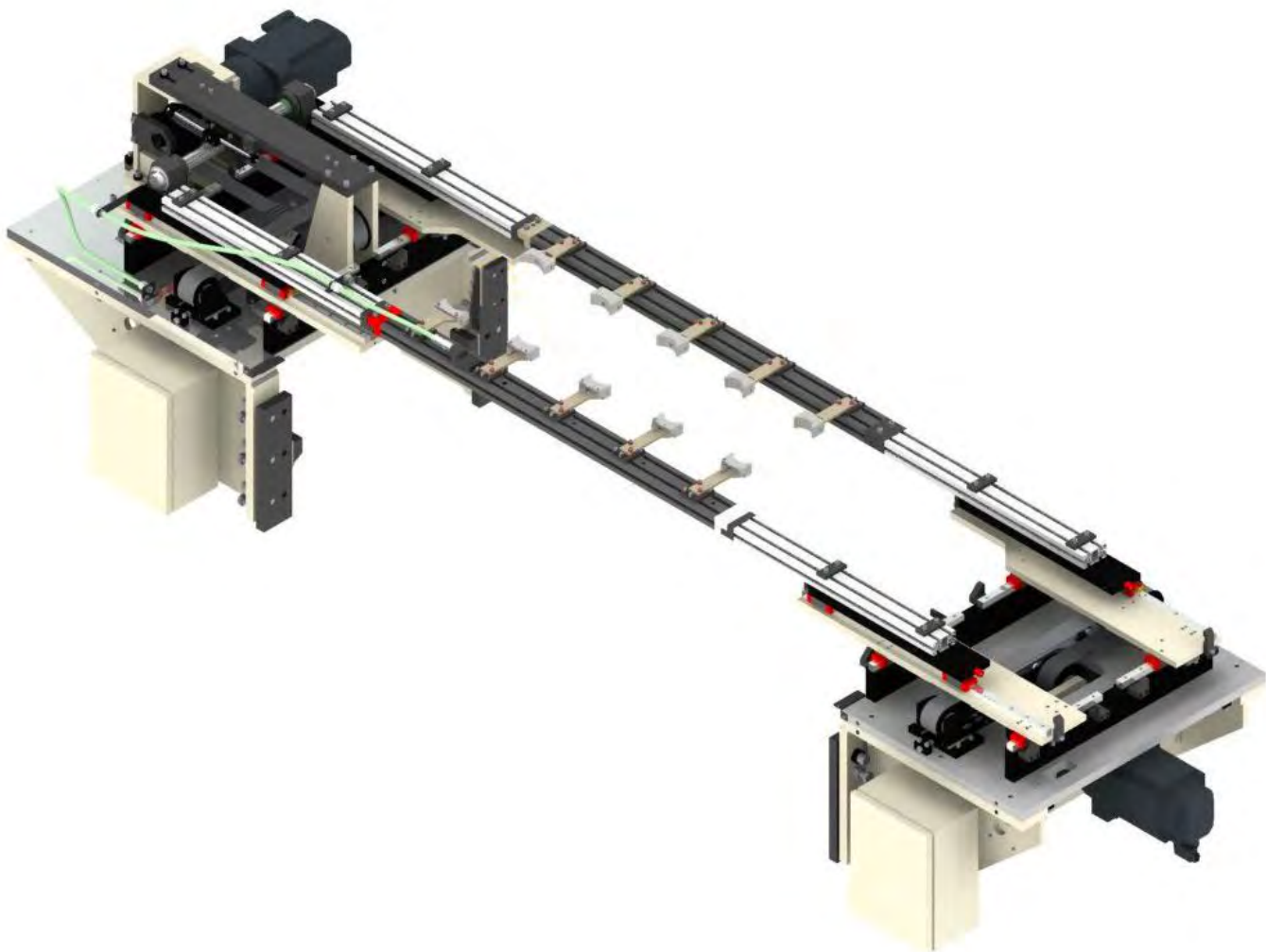
Press capacity	315 tons.
Table	2.500 x 1.450 mm
Stroke X	0 to 250 mm
Stroke Y	0 to 50 mm
Stroke Z	0 to 40 mm
Dimensions of the Blank	120 x 460 mm
Servomotors	5
Strokes per minute	20

Year of delivery 2003

PRODTY holds national and international patents that cover the characteristics of its products.

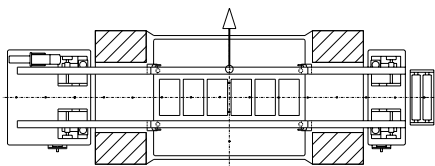


PRODTY holds national and international patents that cover the characteristics of its products.



Links for Viewing

Click, share

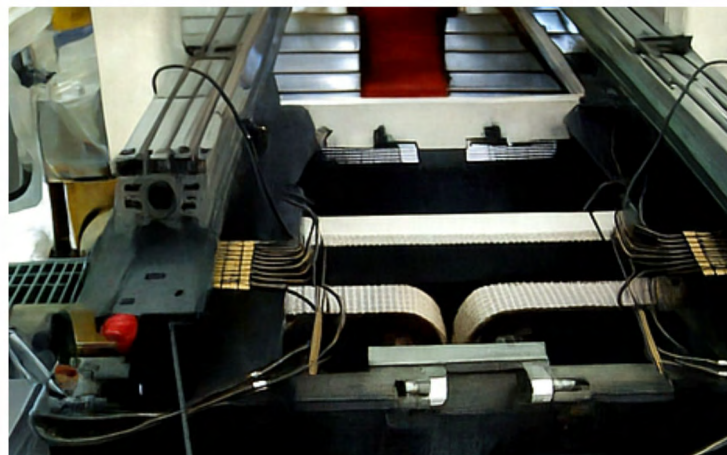
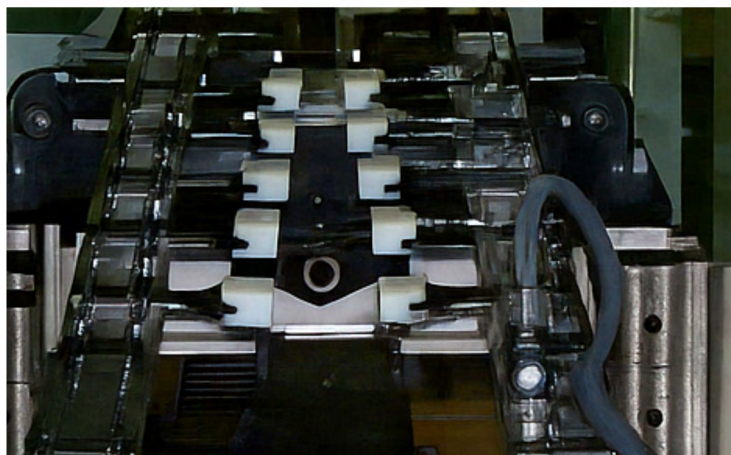
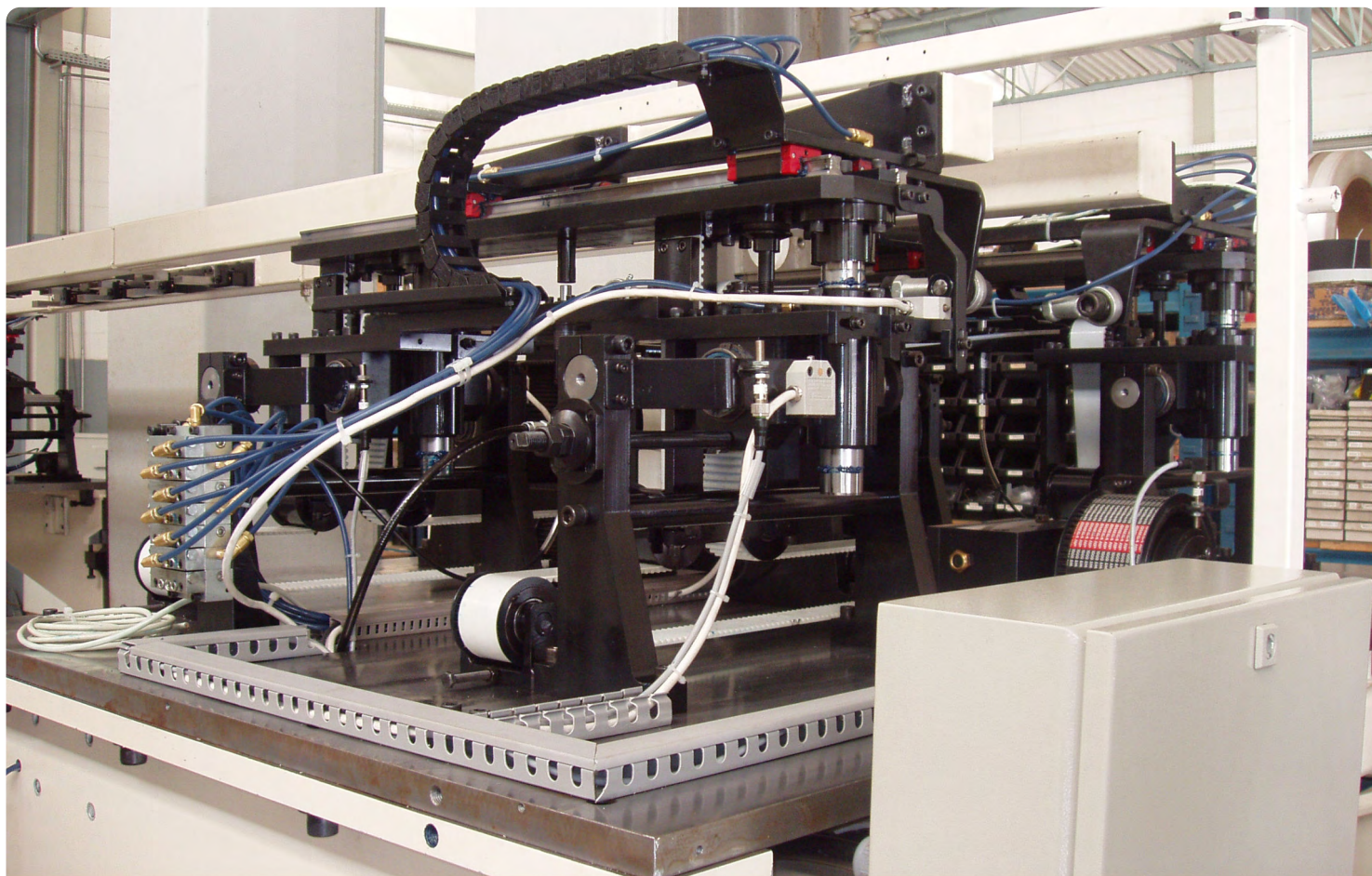


Equipment Features

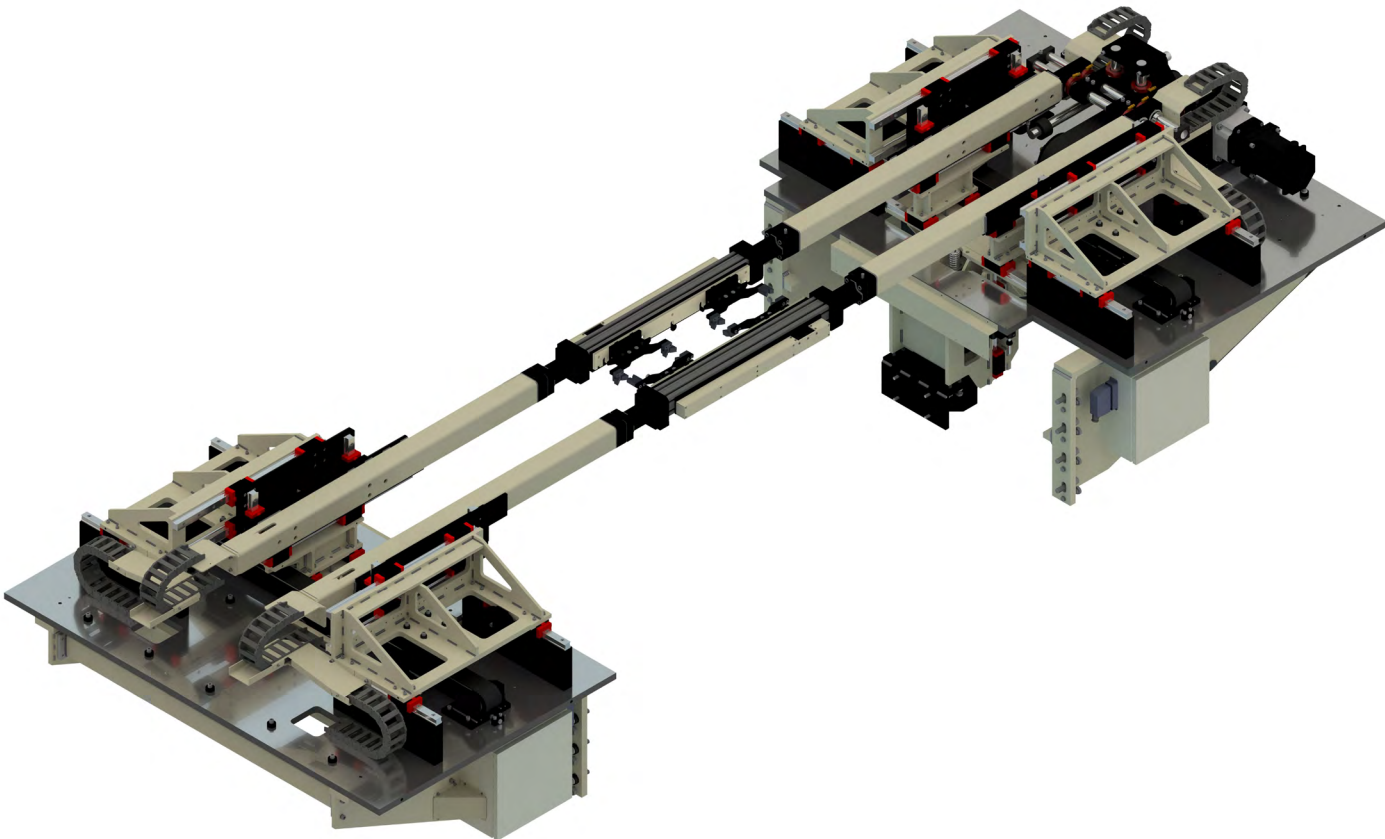
Press capacity	630 tons.
Table	1.500 x 750 mm
Stroke X	0 to 270 mm
Stroke Y	0 to 100 mm
Stroke Z	---
Dimensions of the Blank	Ø130 mm
Servomotors	3
Strokes per minute	40 / 51

Year of delivery 2009

PRODTY holds national and international patents that cover the characteristics of its products.

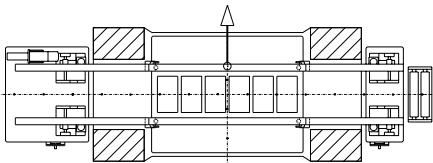


PRODTY holds national and international patents that cover the characteristics of its products.



Links for Viewing

Click, share

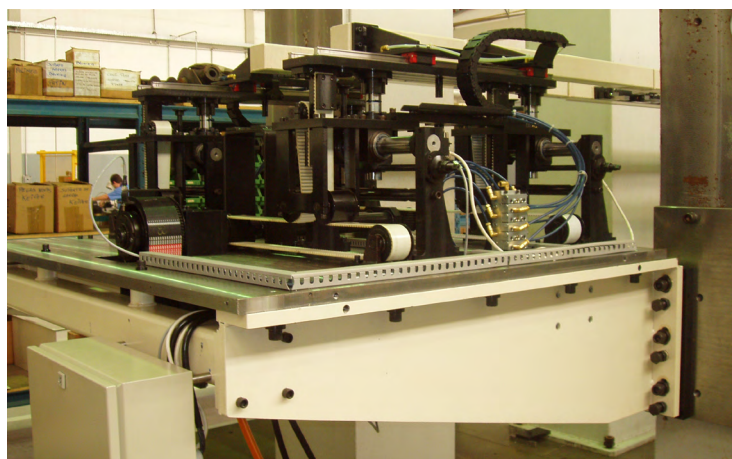


Equipment Features

Press capacity	800 ton.
Table	1.150 x 900 mm
Stroke X	0 to 250 mm
Stroke Y	0 to 110 mm
Stroke Z	0 to 70 mm
Dimensions of the Blank	Ø27 x 34 mm
Servomotors	5
Strokes per minute	40 / 60

Year of delivery 2005

PRODTY holds national and international patents that cover the characteristics of its products.



PRODTY holds national and international patents that cover the characteristics of its products.

PRO-NITRO

Nitrogen pressure systems

Nitrogen cylinders/gas springs:

- Systemic, autonomous
- Forces from 100 to 20,000 kg
- Compact height
- Nitrogen Pressure Pads
- Nitrogen pressure systems



AUTOMAÇÃO

Handlers for press and other processes:

- Food, extraction and transfer of parts
- Manipulators with 2.3 or more axes with CNC drive
- Pneumatic manipulators
- Mechanical manipulators
- Belt conveyors for stamped parts
- Telescopes for large parts and presses
- Compacts for scraps and small parts



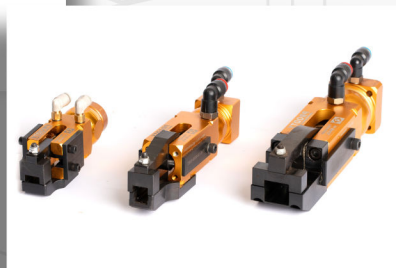
TRANSFER



- Systems with 1,2 or 3 drive axes
- Systems with mechanical drive
- Systems driven by servo motors

GARRAS

Transfer Rules Claws & Complements



- Rulers
- Claws
- Shovels
- Supports
- Rotating Rods
- Clips
- Extra Step
- Cars
- Cribs



SR

Quick Change System



Fasteners

- Hydraulics with manual positioning
- With mechanical drive
- Prep/waiting carts/stations
- Tool lifters with casters/balls
- Consoles for: - large, medium and small presses
- injection molding machines and machining machines

www.prodty.com.br
prodty@prodty.com.br

Prodty Mecatrônica Indústria e Comércio Ltda
Av. Fábio Eduardo Ramos Esquivel, 2509
09941-201 - Centro - Diadema - S.P. / Brasil
Fone: +55 11 4072 8400