

# *Innovations for **your** productivity*





## Engineering Data

ENGINEERING DATA with nearly 35 years of experience in clamping and Automation solutions that help you increase your machine productivity. We support you from conception to production of machining fixtures and robotised cells.

## Our know-how

Historically established in clamping and rapid change, we have continued to evolve by developing industrial processes for the robotisation of these assemblies. Our part loading and unloading solutions are adapted to turning and milling centres and metrology, as well as as measuring fixtures.



## Our vision

Innovation is in ENGINEERING DATA's DNA, and our current and future solutions aim to meet the challenge facing tomorrow's industry: Industry 4.0.

## Our mission

Reacting to the requirements of manufacturers with innovative robotisation and rapid changeover products to increase their machining productivity and flexibility.





## EasyBox

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## EasyProd

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## Accessories EasyBox

page 9

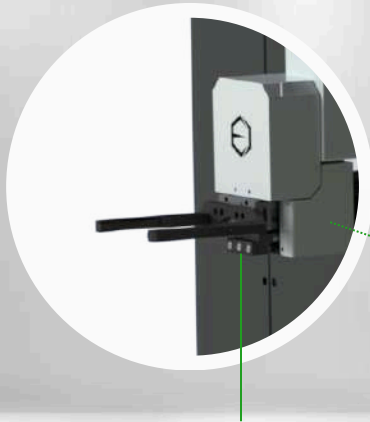


## Accessories EasyProd

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## Productivity & After Sales Service

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**WITH OR WITHOUT PNEUMATIC COUPLING**



Technical drawings of the T3000 container showing front and side views with dimensions.

**Front View (Left):**

- Overall width: 2438 mm
- Overall height: 2591 mm
- Door width: 2032 mm
- Door height: 2286 mm
- Door opening height: 2032 mm
- Door opening width: 1829 mm
- Door opening depth: 152 mm
- Door opening height (inner): 1930 mm
- Door opening width (inner): 1727 mm
- Door opening depth (inner): 127 mm
- Door opening height (inner): 1118 mm
- Door opening width (inner): 1524 mm
- Door opening depth (inner): 101 mm
- Door opening height (inner): 914 mm
- Door opening width (inner): 1270 mm
- Door opening depth (inner): 76 mm
- Door opening height (inner): 508 mm
- Door opening width (inner): 762 mm
- Door opening depth (inner): 51 mm
- Door opening height (inner): 254 mm
- Door opening width (inner): 254 mm
- Door opening depth (inner): 25 mm

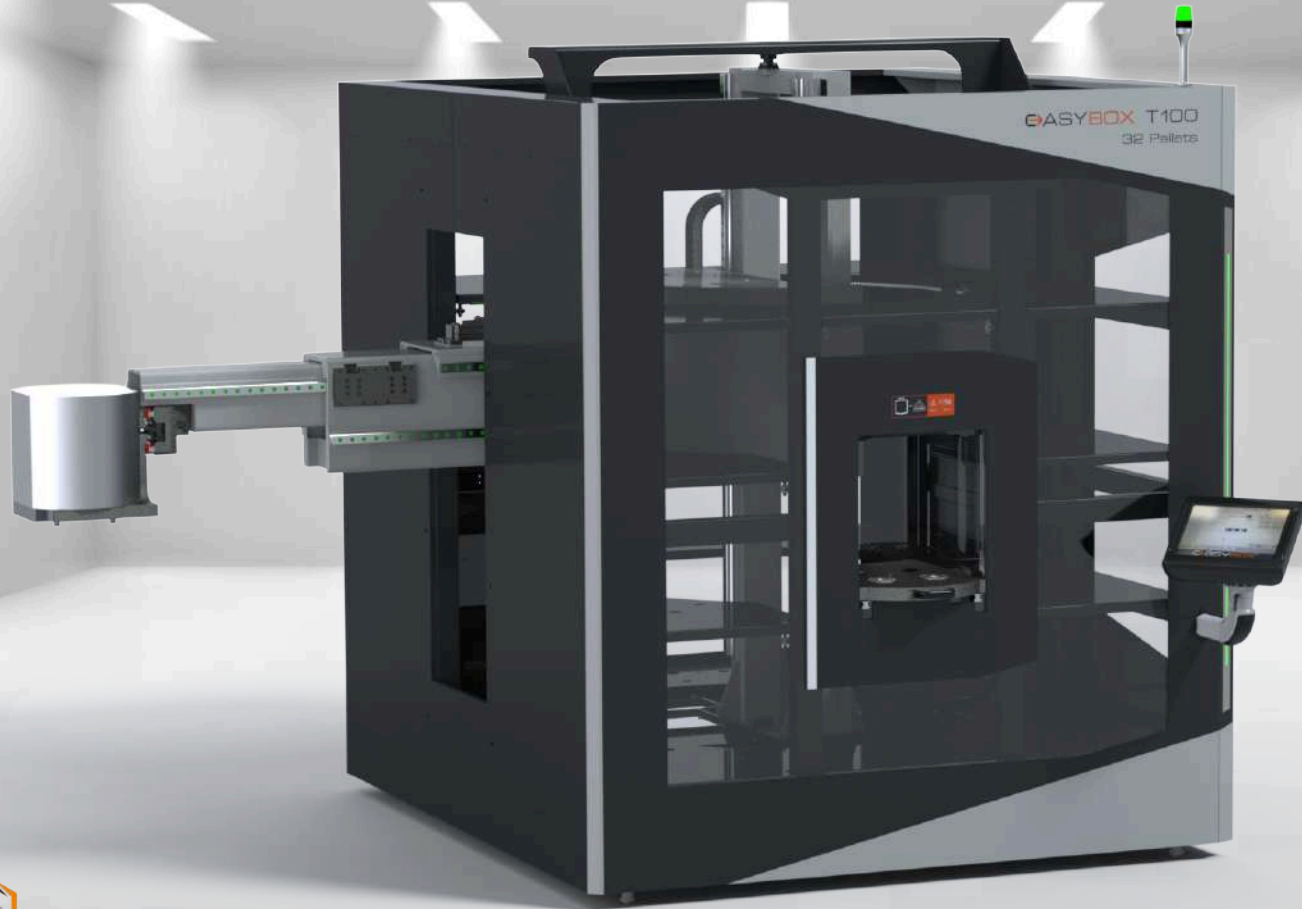
**Side View (Right):**

- Overall width: 2438 mm
- Overall height: 2591 mm
- Door width: 2032 mm
- Door height: 2286 mm
- Door opening height: 2032 mm
- Door opening width: 1829 mm
- Door opening depth: 152 mm
- Door opening height (inner): 1930 mm
- Door opening width (inner): 1727 mm
- Door opening depth (inner): 127 mm
- Door opening height (inner): 1118 mm
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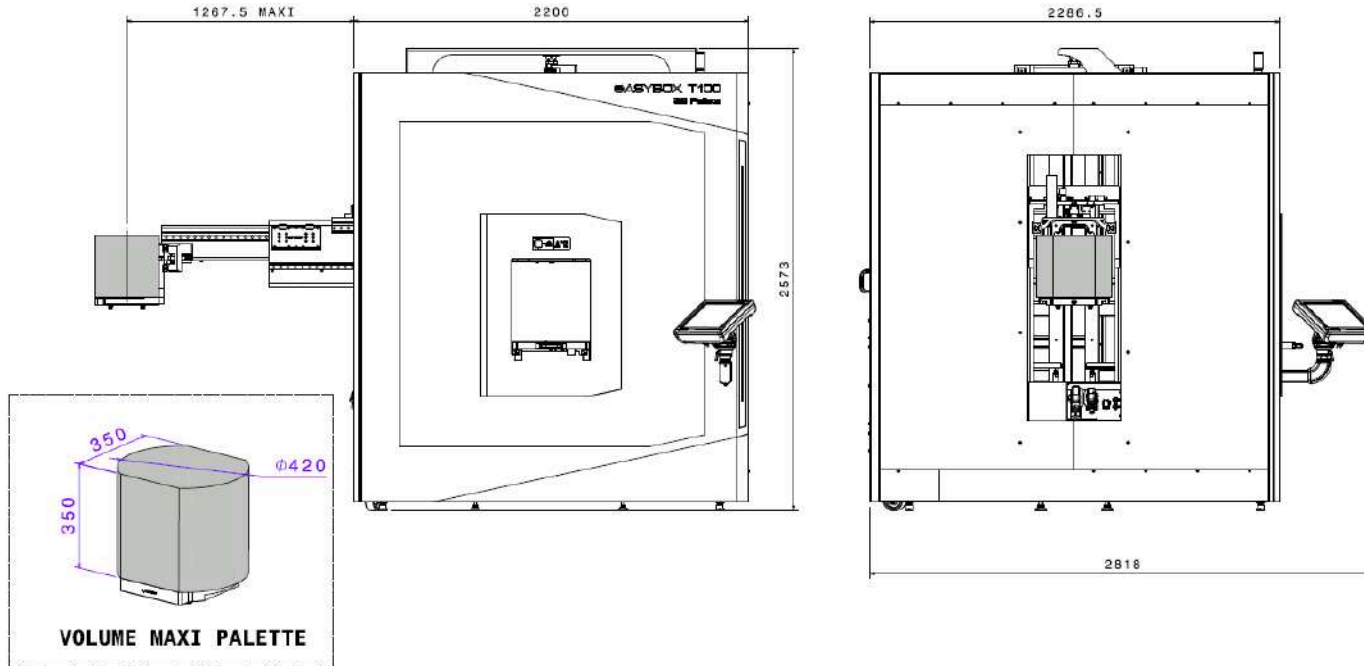
**NEW • NEW • NEW •**

6

| EASYBOX          | T50 Evo                        |
|------------------|--------------------------------|
| Payload capacity | 50 kg                          |
| Pallet capacity  | 35 pallets (54)                |
| Machining volume | 250 x 250 x 212 mm             |
| with slug        | 250 x 250 x 150 mm             |
| Dimensions       | 1204 (I)x 2880(H) x 1811(L) mm |



# EasyBox T100



Compactness is the T100 main advantage, with a floor area of just 5 m<sup>2</sup> and a storage capacity of 32 pallets. Easybox T100 consists of a 3-axis robot, integrated into the pallet magazine, and feeds the machining centres with 100kg pallets. Its intuitive interface makes it easy to use.

## EASYBOX

Payload capacity  
Pallet capacity  
Machining volume  
Dimensions

## T100

**100 kg**  
**32 pallets**  
**Ø 420 x 350 mm**  
**2 200 x 2 296 mm**

# EasyBox T50 Evo range -> Accessories



**Upper table**

We fit your machining centre with a upper table enabling you to reposition your tooling to within 5µm with or without external coupling.



**Vices pallet HWR**

This vice has a maximum jaw opening of 205 mm. It offers optimised access to workpieces during 5-axis machining and the most powerful holding power on the market, thanks to its patented 'form-in-form' clamping technology..

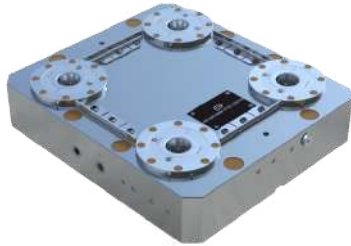


**Pallets**

Bare pallets are available to complement the range. Ideal for mounting your own tools.



## EasyBox T100 range -> Accessories



### Upper tables

We fit your machining centre with a upper table equipped with zero-point systems for repositioning your tooling to within 5µm.



### Pallet vices

With precision concentric clamping. This vice is fitted with interchangeable and offset case-hardened jaws for a maximum incremental opening of 318 mm.



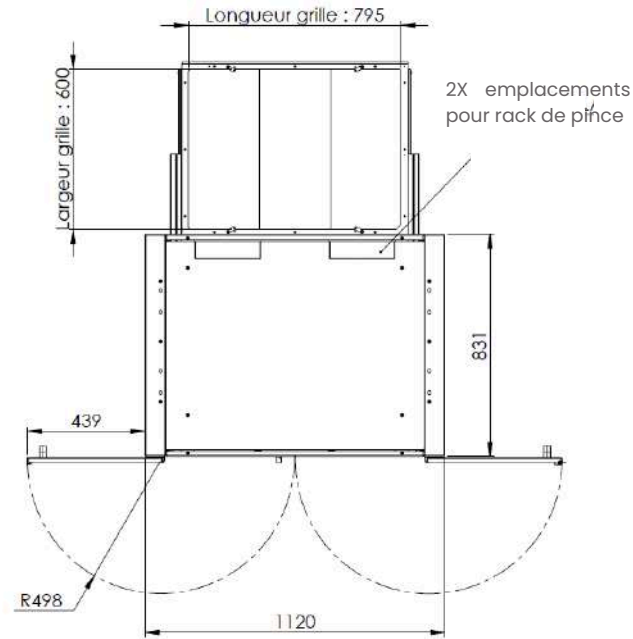
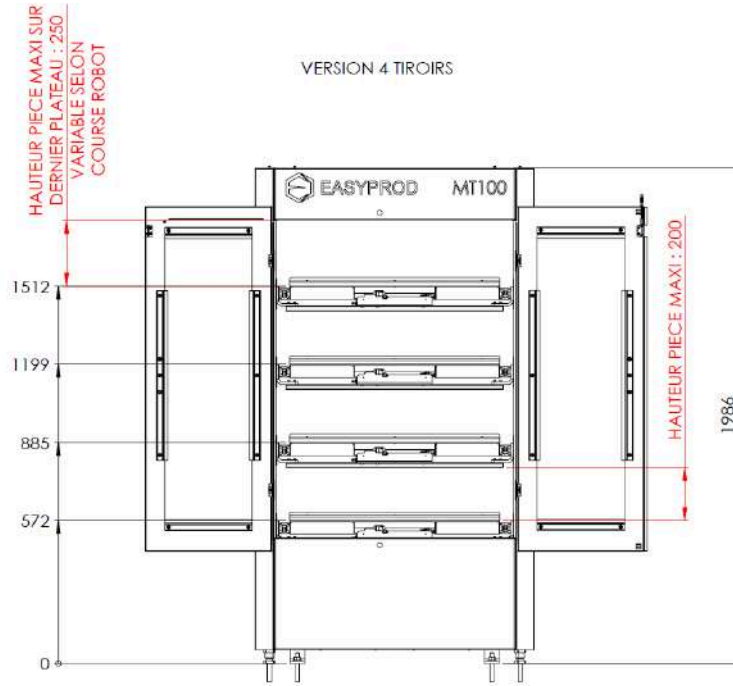
### Pallets

Blank plain are available to complement the range. Ideal for mounting on your own fixtures.

**COMPACT**  
**SIMPLE**  
**FAST**



# EasyProd MT100



The advantage of the MT100 is its compact drawer magazine, which considerably increases the autonomy of your production. It can hold up to 5 modular drawers. You can produce up to one reference per drawer. Available in 250kg per drawer version.

**EASYPROD**

Payload capacity

**MT100**

**100 kg per drawer**



# EasyProd PLUS



STORES A LARGE QUANTITY OF PARTS AND TOOLING

EASYPROD PLUS consists of a polyarticulated robot and a large storage system to maximise your productivity by automating small, medium and large production runs, reducing manual processes and considerably increasing your storage capacity.

**COMPACT  
SIMPLE  
STORAGE**

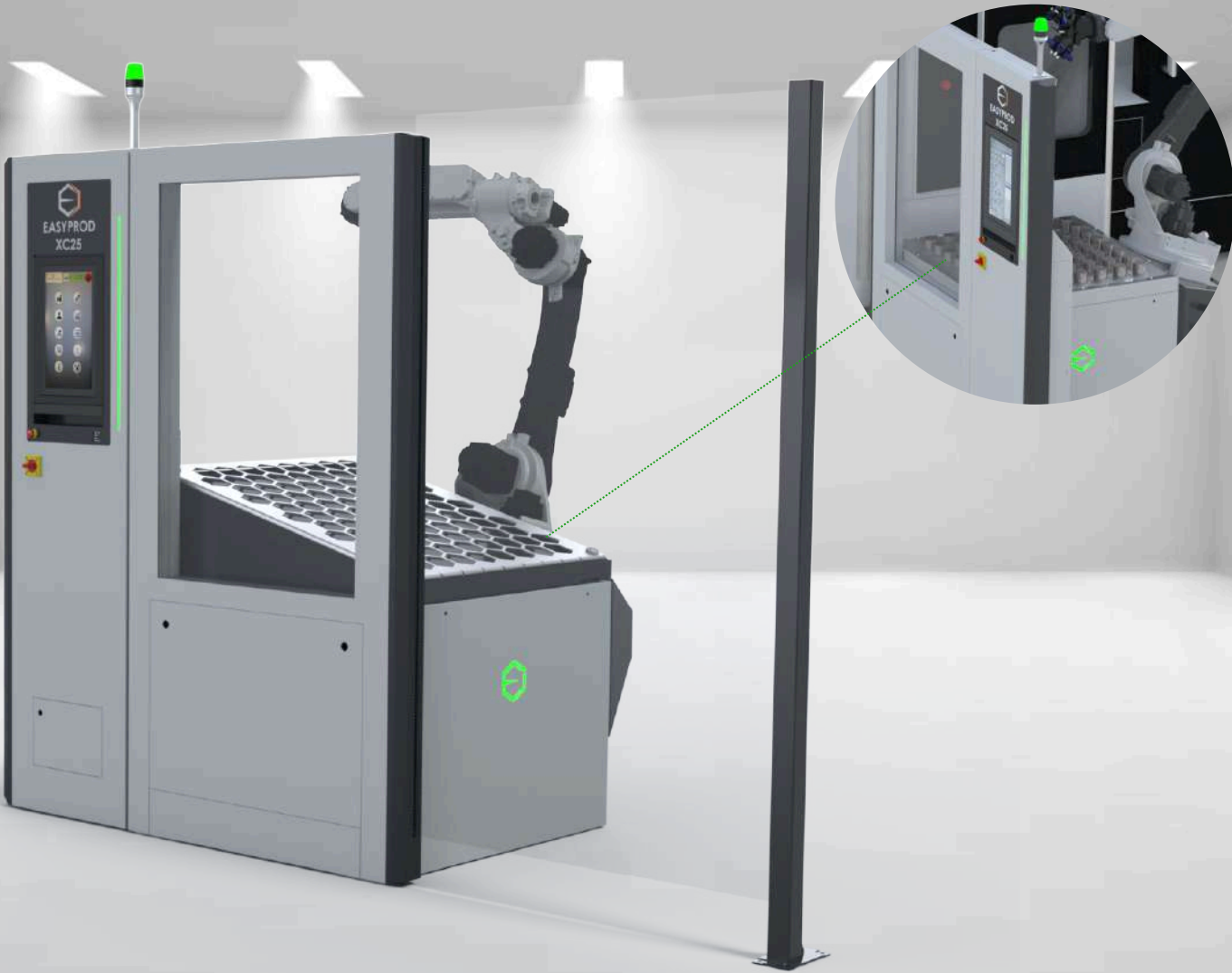
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## EASYPROD

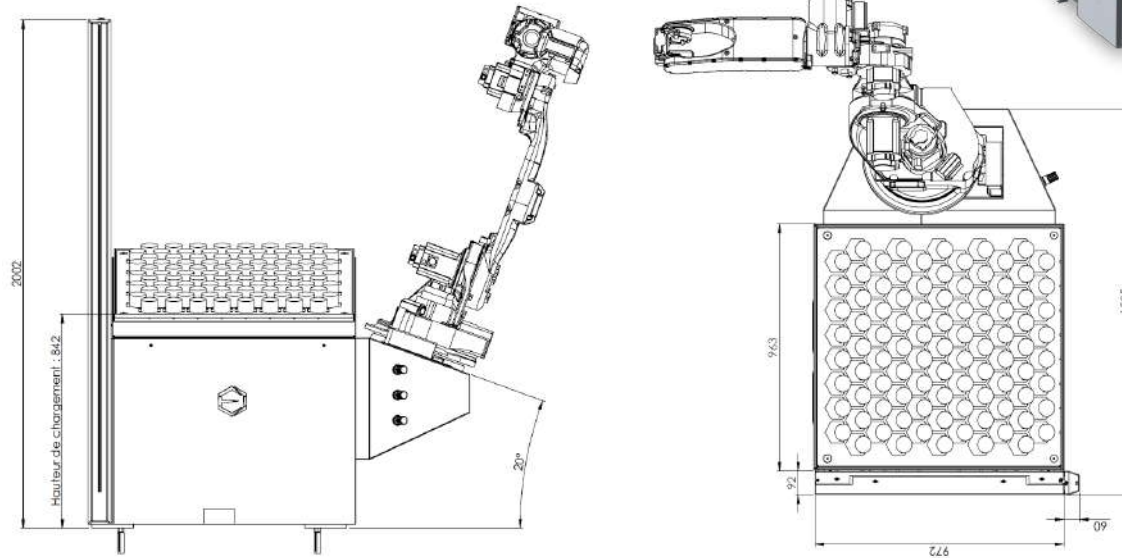
## PLUS

Payload capacity (robot)  $\infty$

Dimensions (storage) **2556 x 1936 x 4130 mm**



# EasyProd XC25



HANDLES PARTS LOADED ON INTERCHANGEABLE GRIDS



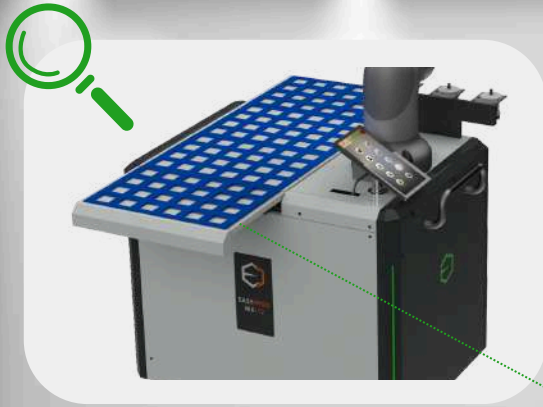
Quick production set-up, no robotics knowledge required



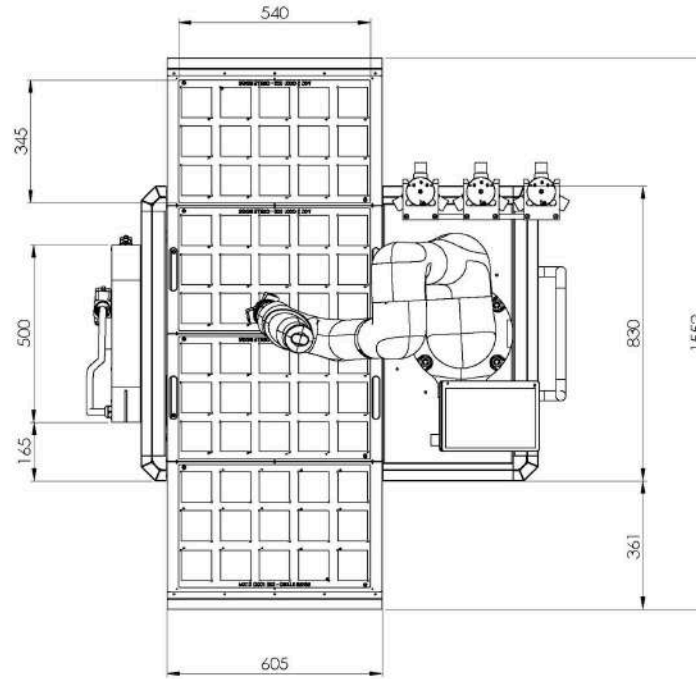
Fitted with single or double clamps. Optional automatic clamp change



Modular installation, customisable application



Technical drawing of the BATHFORD M6-12 mobile robot with a robotic arm. The drawing shows the robot's dimensions: width 83.5, depth 1116.5, height 693, and total height with arm 2093. The arm is labeled 'BATHFORD'.



## EASYPROD

MX8 / MX12 / MX20

**8, 12 ou 20 kg  
up to 200 parts**



## New product

# EasyProd RX

## Hybrid Cell

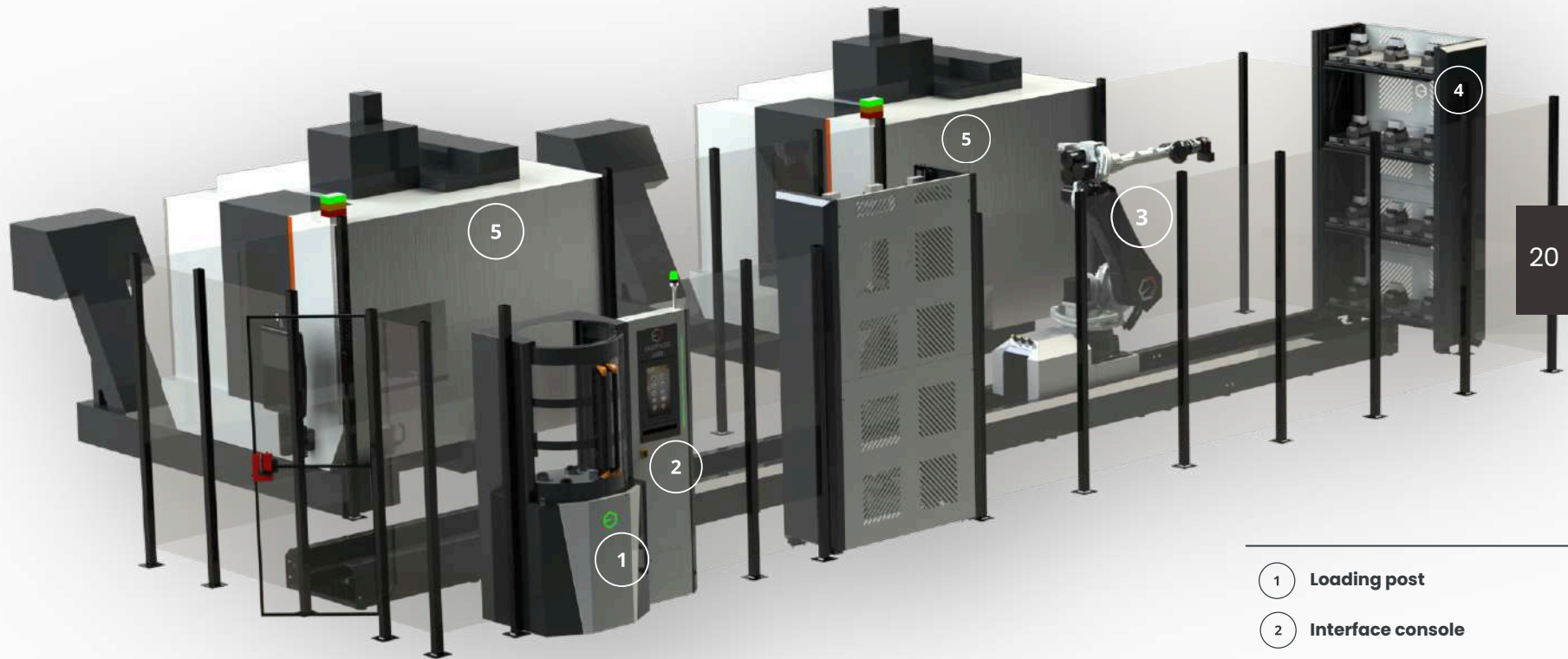
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- 1 Loading post
- 2 Interface console
- 3 6-axis robot
- 4 Pallet storage

# EasyProd LX

## Hybrid Cell



- 1 Loading post
- 2 Interface console
- 3 Rail-mounted 6-axis robot
- 4 Pallets storage
- 5 5-axis milling centre

# Standard products



1

The **loading station** adjusts to the size of your pallets, offering maximum flexibility. This ensures precise and safe pallet positioning, while optimising the efficiency of the loading process.



2

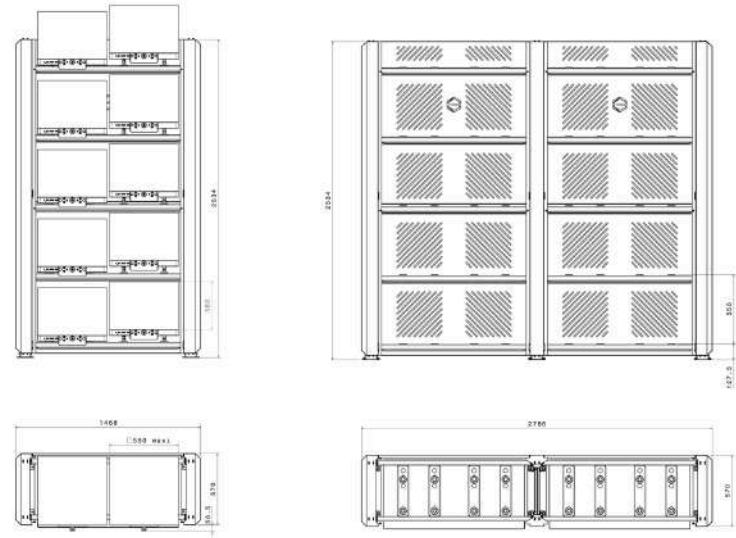
The intuitive **interface** makes it easy to manage the robot, prioritise tasks and restart automatically after an emergency stop. Statistics and information are accessible via a touch screen.



4

The **warehouses** are available with **EasyProd RX** and **LX** depending on the customer's requirements. Modular, they can contain from 4 to 5 trays, enabling storage of between 10 and 20 pallets.

# Warehouses

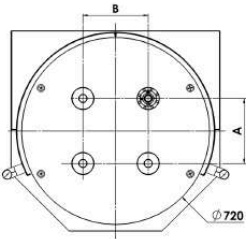
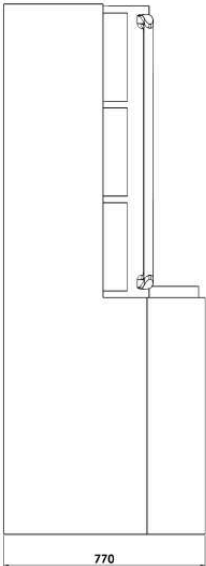
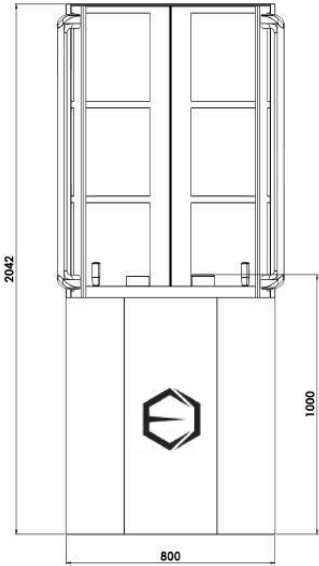


*The pallet houses are available as part of an EasyProd RX or LX installation, depending on the customer's requirements.*

The warehouses are modular and the number of trays can be varied. **As standard**, a magazine consists of **4 to 5 trays**, which can store **10 to 20 pallets** (depending on size).

As an option, oil trays can be added to the magazine to collect cutting oils and residual shavings.

# Loading Post

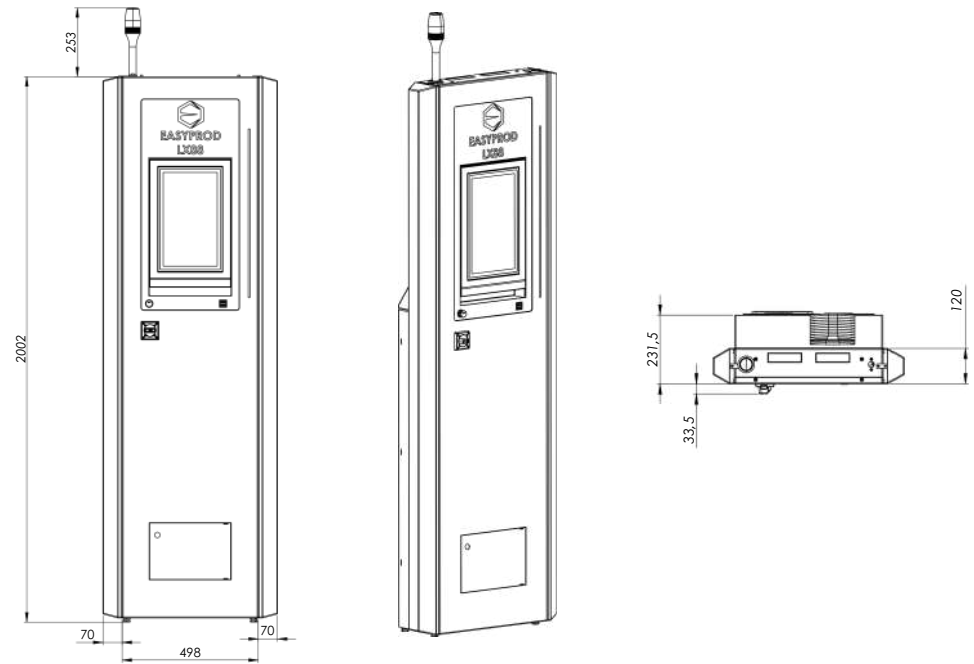


| A   | B   | dimension palette |
|-----|-----|-------------------|
| 200 | 200 | 200 x 300         |
| 200 | 200 | 200 x 400         |
| 200 | 200 | 300 x 300         |
| 200 | 200 | 400 x 400         |
| 250 | 250 | 250 x 400         |
| 250 | 250 | 250 x 500         |
| 250 | 250 | 400 x 400         |
| 250 | 250 | 500 x 500         |

\*au-delà de Ø1000, nous consulter

**The loading station** features EasyLock zero-point systems for diameters up to Ø750 to adapt to the size of your pallets. Available in Ø1000 version.

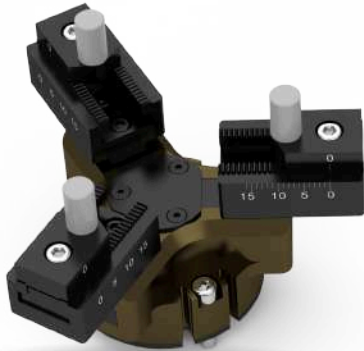
# Ergonomic interface



## Operation is simple and intuitive :

- Robot management and workpiece series allocation
- Priority management according to production needs
- Immediate restart in the event of an emergency stop: the robot recognises its position and restarts without human intervention
- On-screen production statistics
- Each part reference can be identified by an image of the product to facilitate management by the operator
- Information on all robot components via touch screen

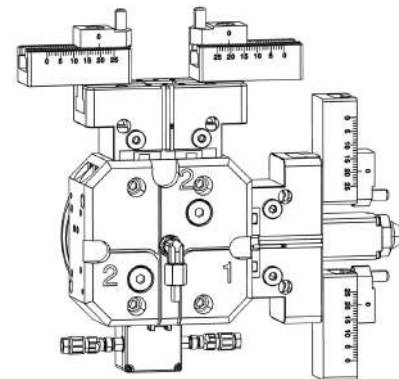
# Accessories



Our quick-change system allows the use of different grippers (parallel/concentric/suction/pallet).



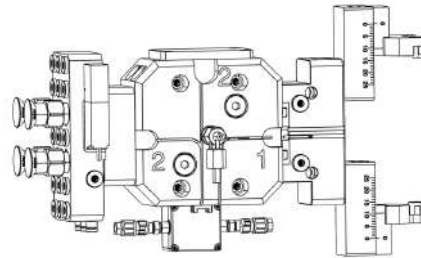
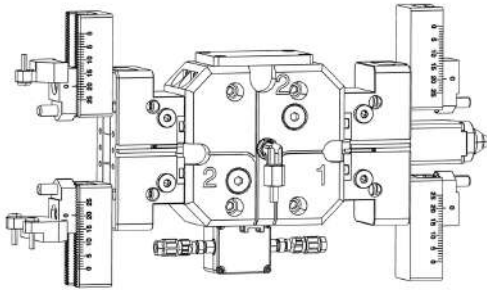
**Parallel double clamp, mounted at 90°.**



# Accessories



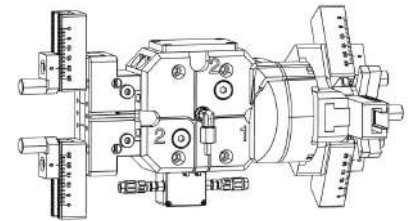
**Parallel double clamp, mounted at 180°**



**Double parallel combination gripper - 180° mounted suction pads**

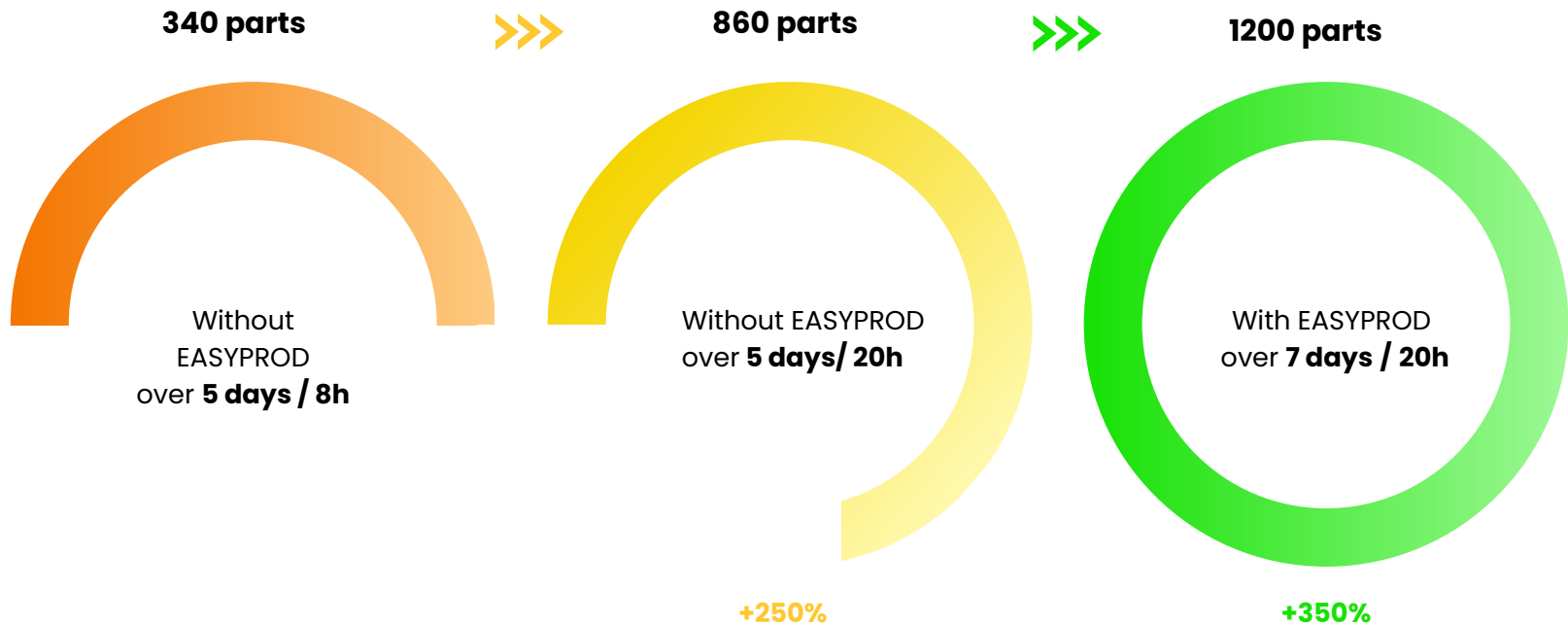


**Combined parallel - concentric double clamp mounted at 180°.**



## AN EXAMPLE OF PRODUCTIVITY GAINS

With the same payroll



# After-sales service and remote maintenance at your disposal



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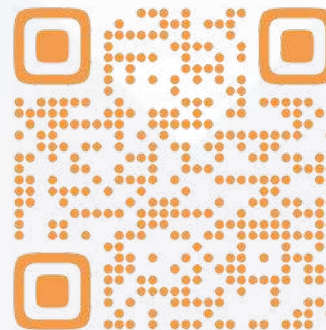
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