

ProFeeder



EasyRobotics®
- we move your parts

ProFeeder Table

Makes it fast and flexible to get started with robot automation.

Good for:

- Cutting
- Finishing and Polishing
- Deburring
- Grinding
- Welding

ProFeeder from EasyRobotics is a compact modular robot cell, prepared for the installation of a robot.

The ProFeeder modular system can be expanded in 3 steps, from production automation of small series that can be upgraded, to full automation of large production series.

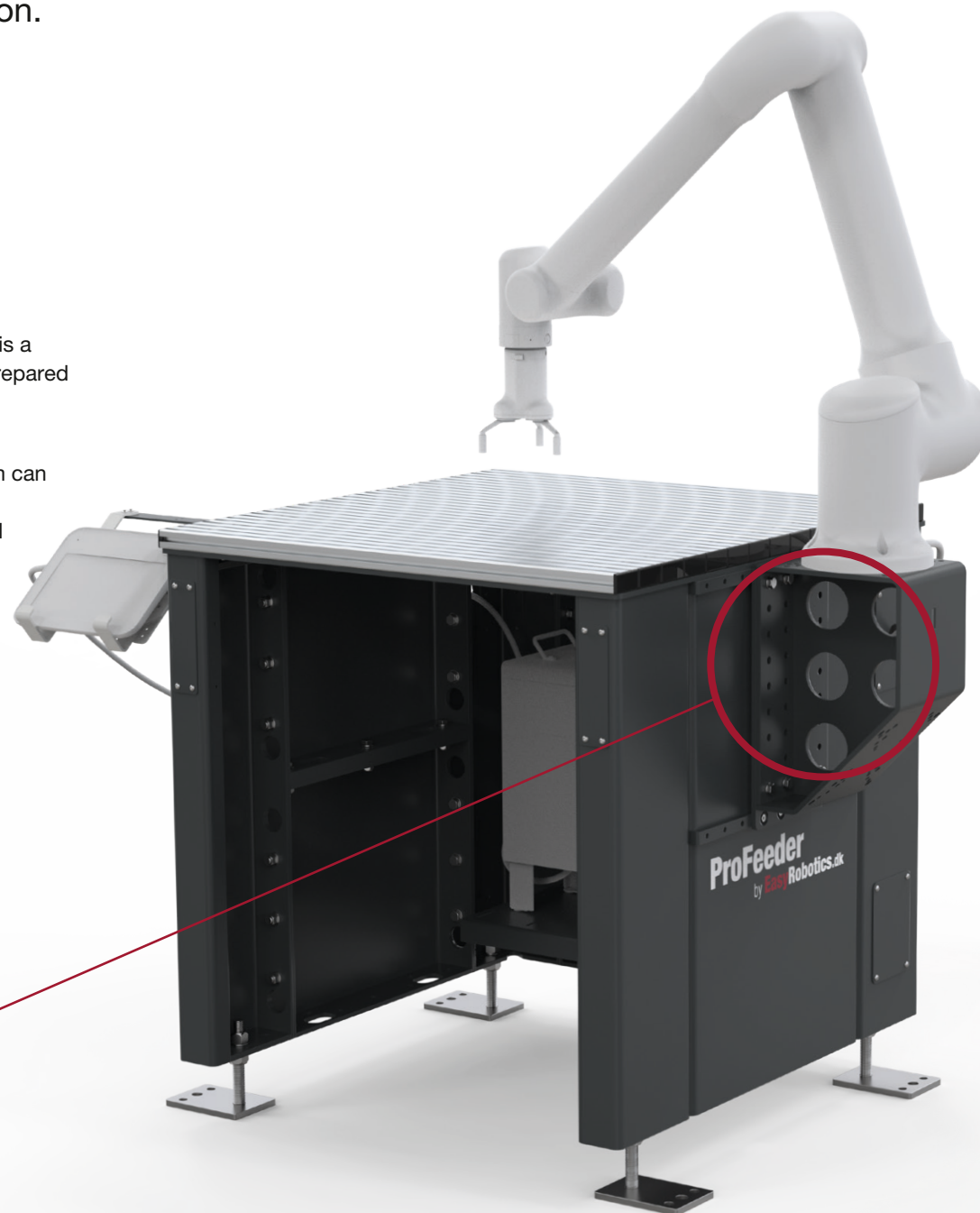
The expansion and investment is made in accordance with your production needs.

Compact Footprint:

- H: 925 mm,
- W: 860mm,
- L: 900mm

Flexible robot mount

- The robot arm can be moved around on all 3 sides.



1

ProFeeder Table

Table for mounting of all types of clamping equipment for demonstration purpose.

2

ProFeeder Light

1 parts tray, the basic module is suitable for small series production.

3

ProFeeder

1 parts tray, 1 mover and automatic centring of parts tray. Suitable for small and medium series production.

ProFeeder Light

The ProFeeder Light robot cell consists of a basic module with 1 flexible manual removable parts tray designed for handling all types of parts.

ProFeeder is suitable for production of small series

- The robot cell can be used with most CNC machines.
- Can handle parts up to 10 kg.
- Can be changed to 45° angle axis.
- H: 925 mm, W: 860mm, L: 900mm

EasyRobotics can be used in countless industries adding value to automation

Industries

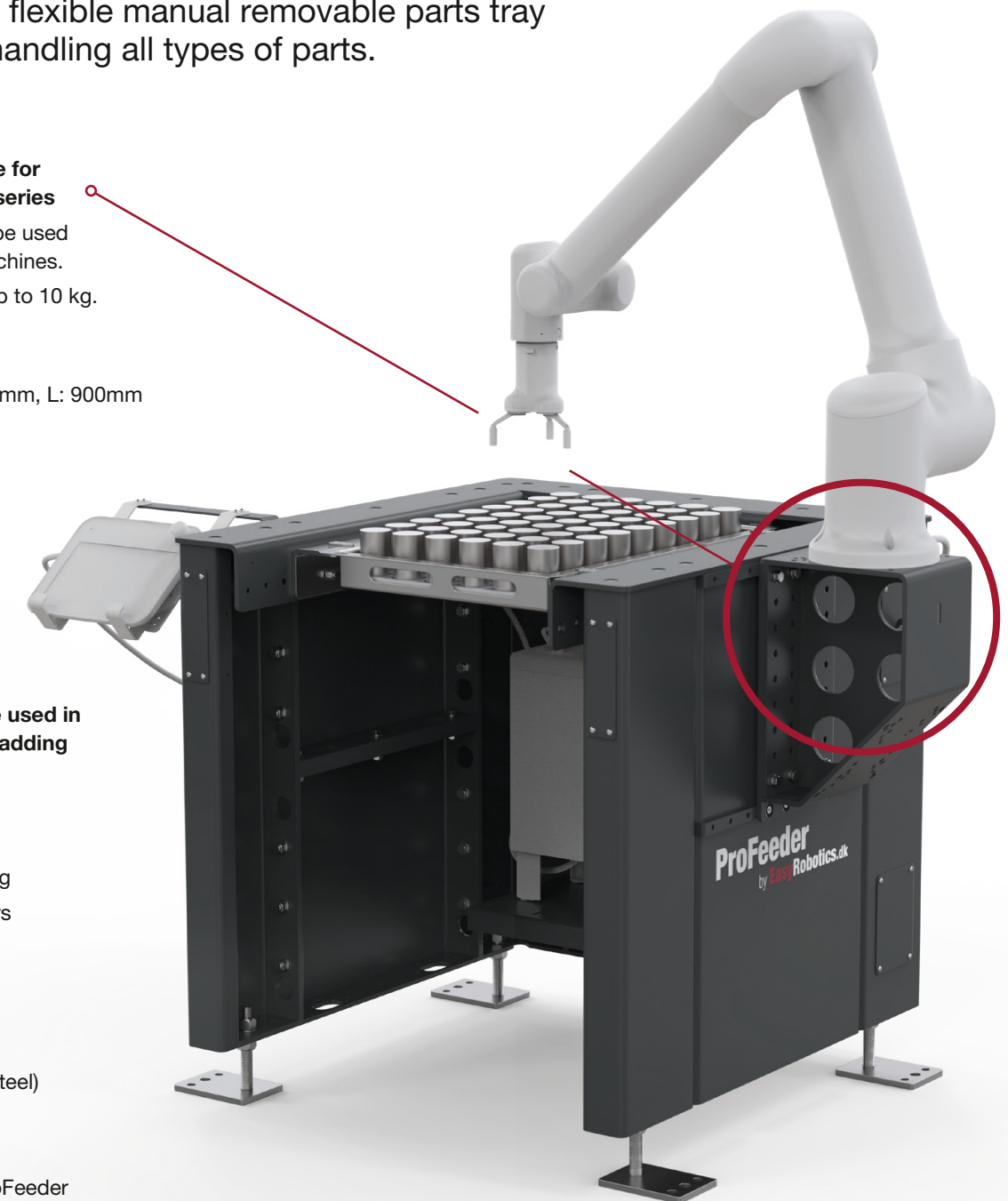
- Metal and Machining
- Plastic and Polymers
- Automotive
- Pharma
- Electronics
- Food Industry (optional stainless steel)

Staged investment

The basic module, ProFeeder Light, can be expanded to ProFeeder, when increased capacity is needed.

Small and quick series changes

- ProFeeder Light can be moved easily with a pallet truck or with optional heavy-duty wheels.
- The parts tray can be changed quickly.



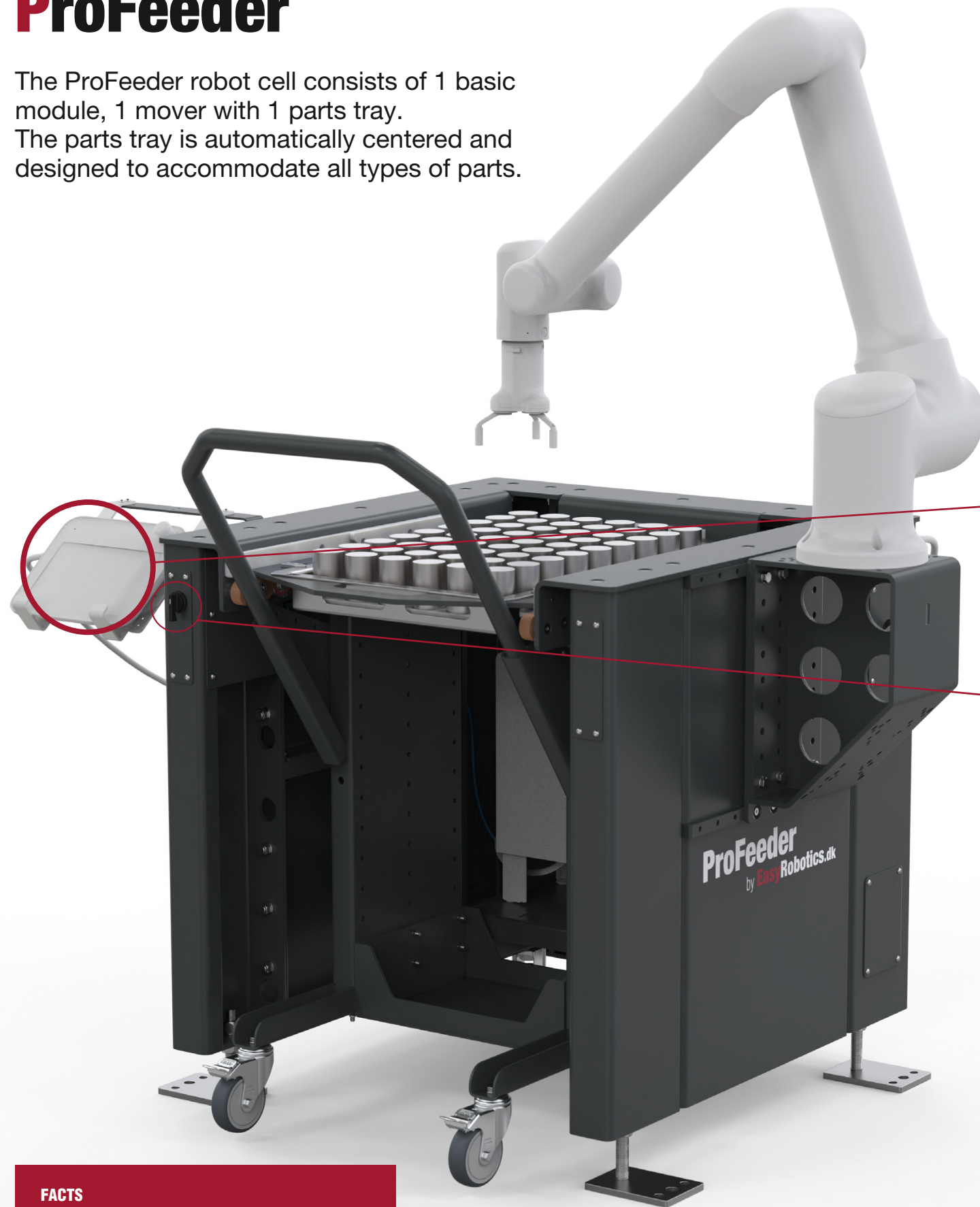
FACTS

An extra pair of hands for smaller series production

The price of ProFeeder Light allows it to be used as an "extra pair of hands" to be deployed for smaller series or as the first step towards fully automated production.

ProFeeder

The ProFeeder robot cell consists of 1 basic module, 1 mover with 1 parts tray. The parts tray is automatically centered and designed to accommodate all types of parts.



ProFeeder – safe operation and easy changes

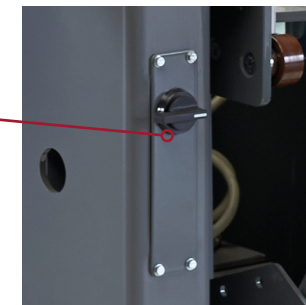
The mover and automatic centring of parts

- When the mover is placed in the robot cell, the parts trays are automatically centred relative to the robot.
- The parts are transported around in the production by the mover, which is easy to push



Expansion options

- The robot cell is supplied with a holder for the robot control panel.



Plug and produce

- Plug in the air hose.
- Turn the bottom, the parts tray is centered and ready for production.
- Avoid inaccuracy when measuring the parts top.

Compact and Flexible

- H: 925 mm,
- W: 860mm,
- L: 900mm

Increased production

- The solution makes it possible to introduce light out production; the operator is informed of downtime by a text message.

Good investment

- The typical return on investment is less than 1 year.

Quick series changes

- ProFeeder is easily moved with a pallet lifter.
- Quick change over time makes ProFeeder suitable for small and medium production series.

Increased efficiency

- Automated supply to the CNC machine ensures consistent high quality. The required man hours for operation can be reduced from 8 hours to less than 1 hour.

It can also be used for the following applications:




- Machine tending
- Polishing
- Welding
- Bin Picking
- Assembly
- Measurement



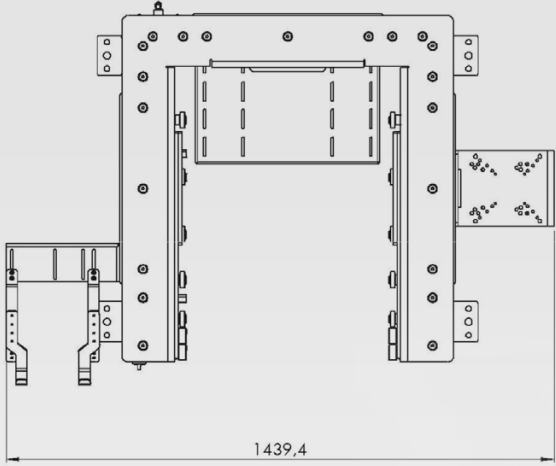
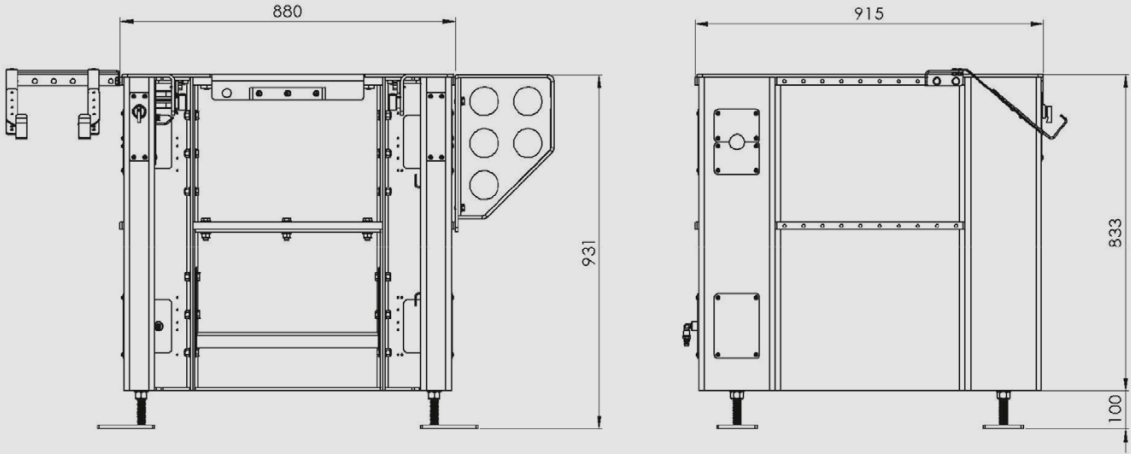
The parts trays are designed to accommodate all part types. CNC machine tending. Quality inspection.

FACTS

Enables unmanned night shifts, where downtime is notified by a text message.

	1	2	3
			
	ProFeeder Table	ProFeeder Light	ProFeeder
Return of investment*	6 – 8 months	6 – 8 months	Less than 1 year
Operation of parts trays	Manual change of parts trays	Manual change of parts trays	Changing the mover
Mobility	Option heavy-duty wheels	Option heavy-duty wheels	Easily moveable
Series size	Small series	Small series	Small and medium series
Number of parts trays	Table	1	1
Movers	-	-	1
Production	Test / Demo	An “extra hand”	2-shift operation
How to order	PFT-1000	PFL-1001	PF-1002
H x W x L	925 x 860 x 900 mm	925 x 860 x 900 mm	900 x 860 x 900 mm
Material	Powder coated steel**	Powder coated steel**	Powder coated steel**
TP2001 Threaded hole plate	X		
GD-Wheels Wheels for ProFeeder	X	X	X
ST-2002 Side-Table	X	X	X
CK2008 Cable-Kit	X	X	X
URC2007 Connector Socket (Harting)	X	X	X
ER+2006 Template Software ER+ for UniversalRobots	(X)	X	X
TH2004 Customized parts tray		X	X
M2003 Mover with tray			X
M2004 Mover with 4 trays			
PP1001 Part plate	X		

* At 2-shift operation
 ** Optional stainless steel
 Patent Received



Part #	Product Name	Description
PFT-1000	ProFeeder Table	H: 925 mm, W: 860mm, L: 900mm, Wt: 260 kg, T-Pad bracket, Bracket for controller, Alu-profile 30 tabletop
PFL-1001	ProFeeder Light	H: 925 mm, W: 860mm, L: 900mm, Wt: 280 kg, T-Pad bracket, Bracket for controller, One tray
PF-1002	ProFeeder	H: 925 mm, W: 860mm, L: 900mm, Wt: 350 kg, T-Pad bracket, Bracket for controller, One Mover with tray, Airlock

Distributor

Danish manufacturer and supplier of robotic cells for all types of automation.

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