

ProFeeder



EasyRobotics
- we move your parts

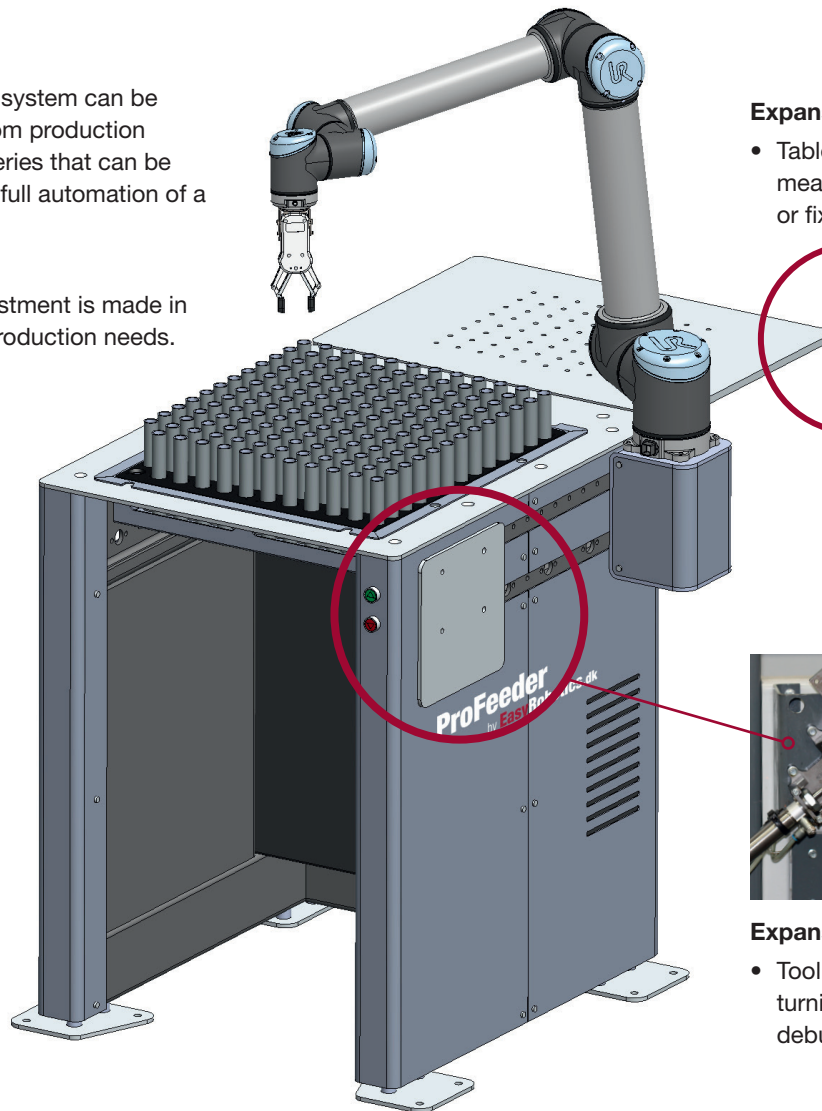
ProFeeder

- Makes it simple to get started with robot automation.

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

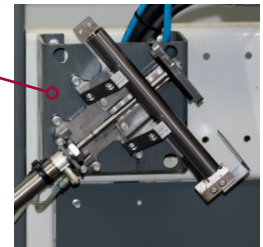
The ProFeeder modular system can be expanded in 3 steps, from production automation of a small series that can be quickly changed, to the full automation of a large production series.

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



Expansion options

- Table for placement of measuring equipment or fixtures.



Expansion options

- Tool flanges with turning module, deburring or cleaning.

1

ProFeeder Light

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

2

ProFeeder

2 parts trays, 2 movers and automatic centring of parts tray. Suitable for small and medium series production.

3

ProFeeder Multi

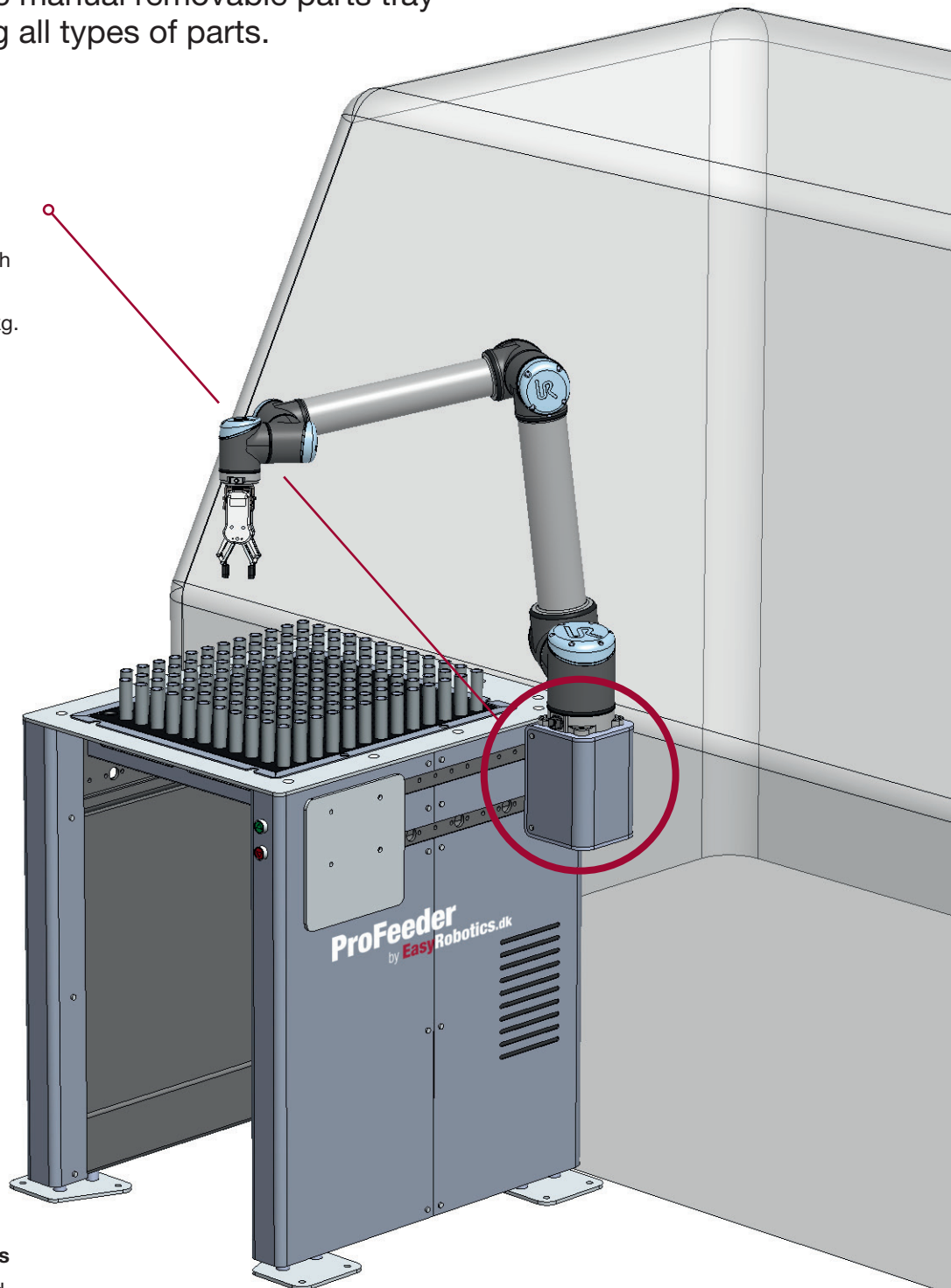
4 parts trays, 2 movers and 1 automated lift module. Suitable for series production in fully automated 4-shift operations.

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 the production of small series.

- The robot arm can be moved around on all 3 sides.
- The robot cell can be used with most CNC machines.
- Can handle parts of up to 10 kg.



Staged investment

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

Small and quick series changes

- ProFeeder Light can be moved easily with a pallet truck.
- The parts tray can be changed quickly and manually.
- ProFeeder Light is suitable for the production of small series.

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 the automation of production.

ProFeeder

The ProFeeder robot cell consists of one basic module, 2 movers with 2 flexible parts trays. The parts trays are automatically centred, and are designed to accommodate all part types.

Increased production

- The solution makes it possible to introduce an additional shift; the operator is informed of downtime by a text message.

Good investment

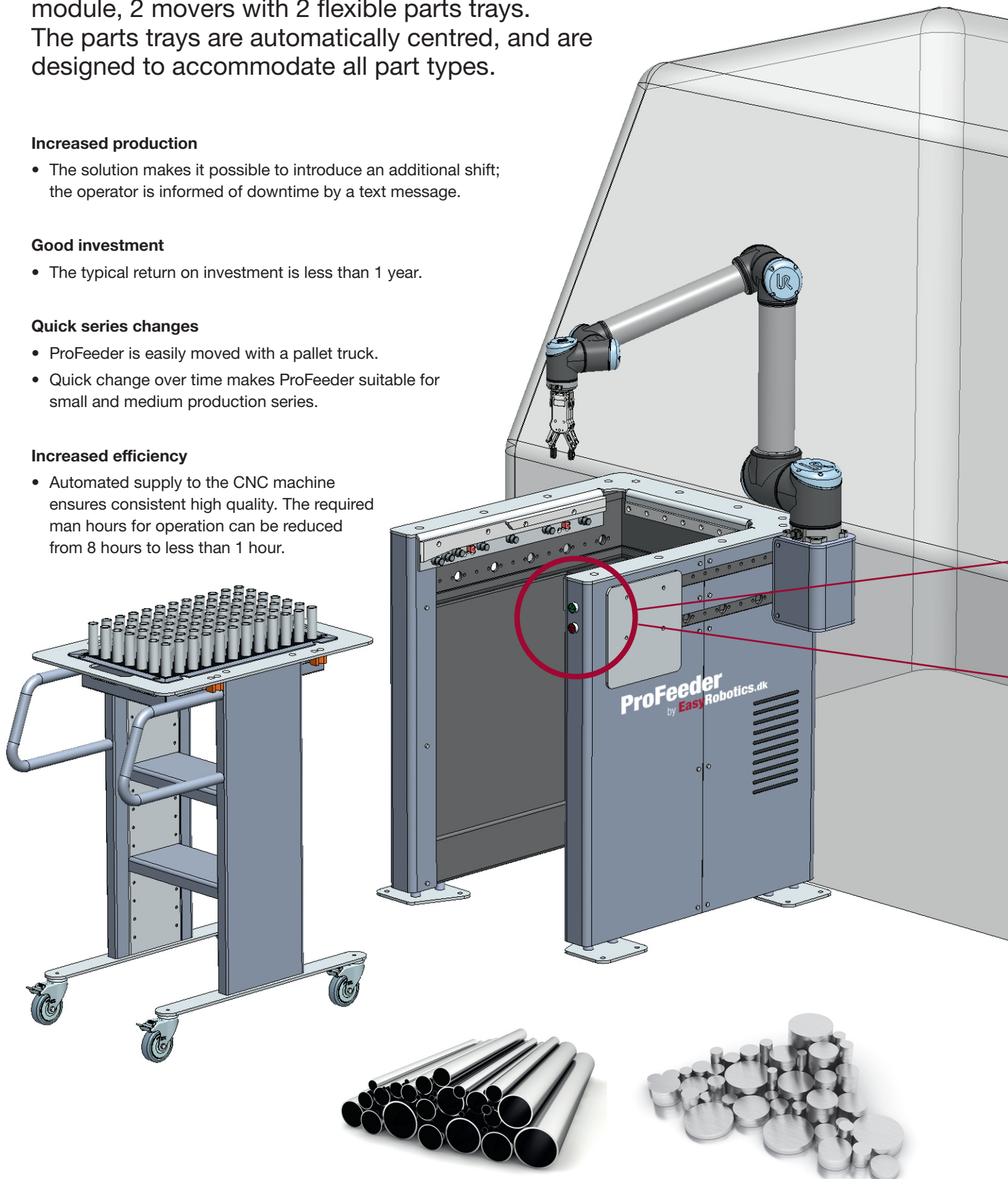
- The typical return on investment is less than 1 year.

Quick series changes

- ProFeeder is easily moved with a pallet truck.
- 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.

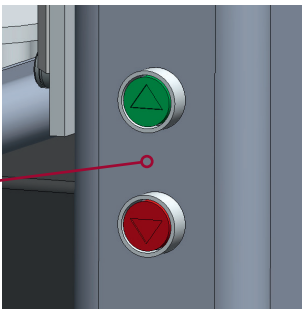


The parts trays can be designed to accommodate all parts types.

ProFeeder – safe operation and easy changes.

The mover and automatic centring of parts

- The mover is a modular built cart that can be upgraded with additional features, when ProFeeder is expanded to ProFeeder Multi.
- 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 even when the parts trays are filled.



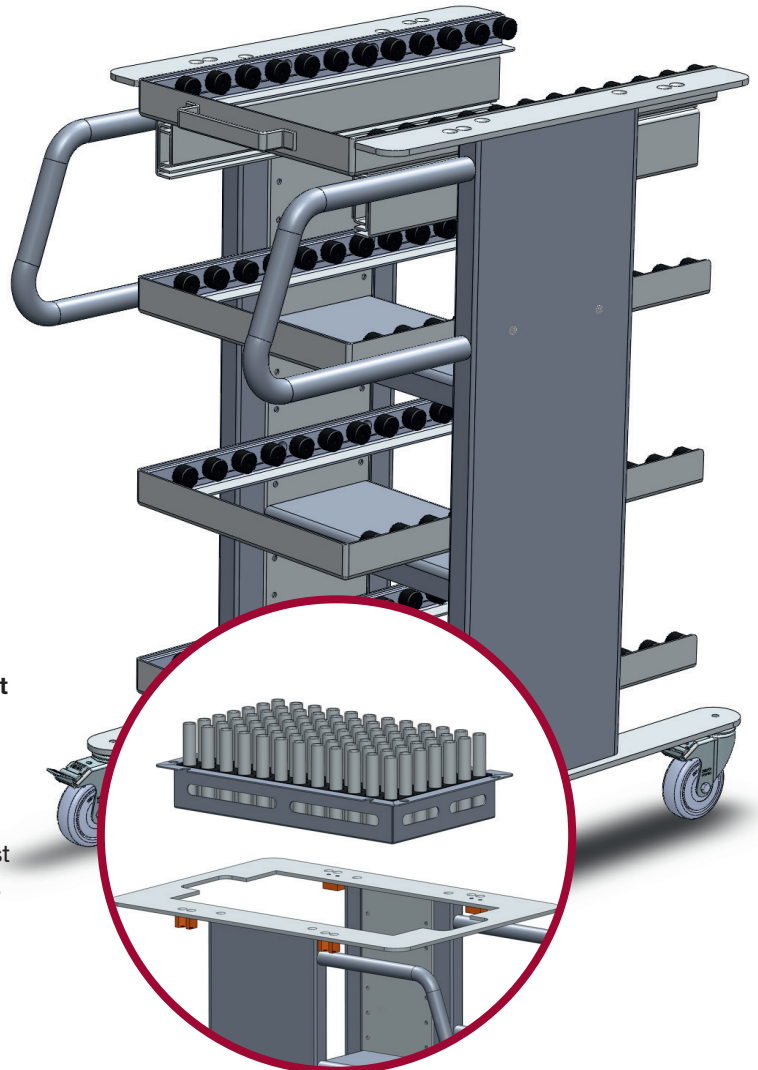
Safe and fast adjustment

- The robot cell has stop and go buttons and the robots, with their intuitive interface, are easy and quick to adjust with a change of series.



Expansion options

- The robot cell can be supplied with a holder for the robot's control panel.



Parts trays

- One parts tray can hold up to 780 parts for the production, depending on the size of the parts.
- The design makes it easy to fill the parts in the trays and handling, when the mover needs to be filled or emptied.
- Interchangeable perforated plates in the parts trays ensure that the CNC machine can be fed with all part types.
- The parts trays can be replaced with thin plate feeding for edge bending.



FACTS

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

ProFeeder Multi

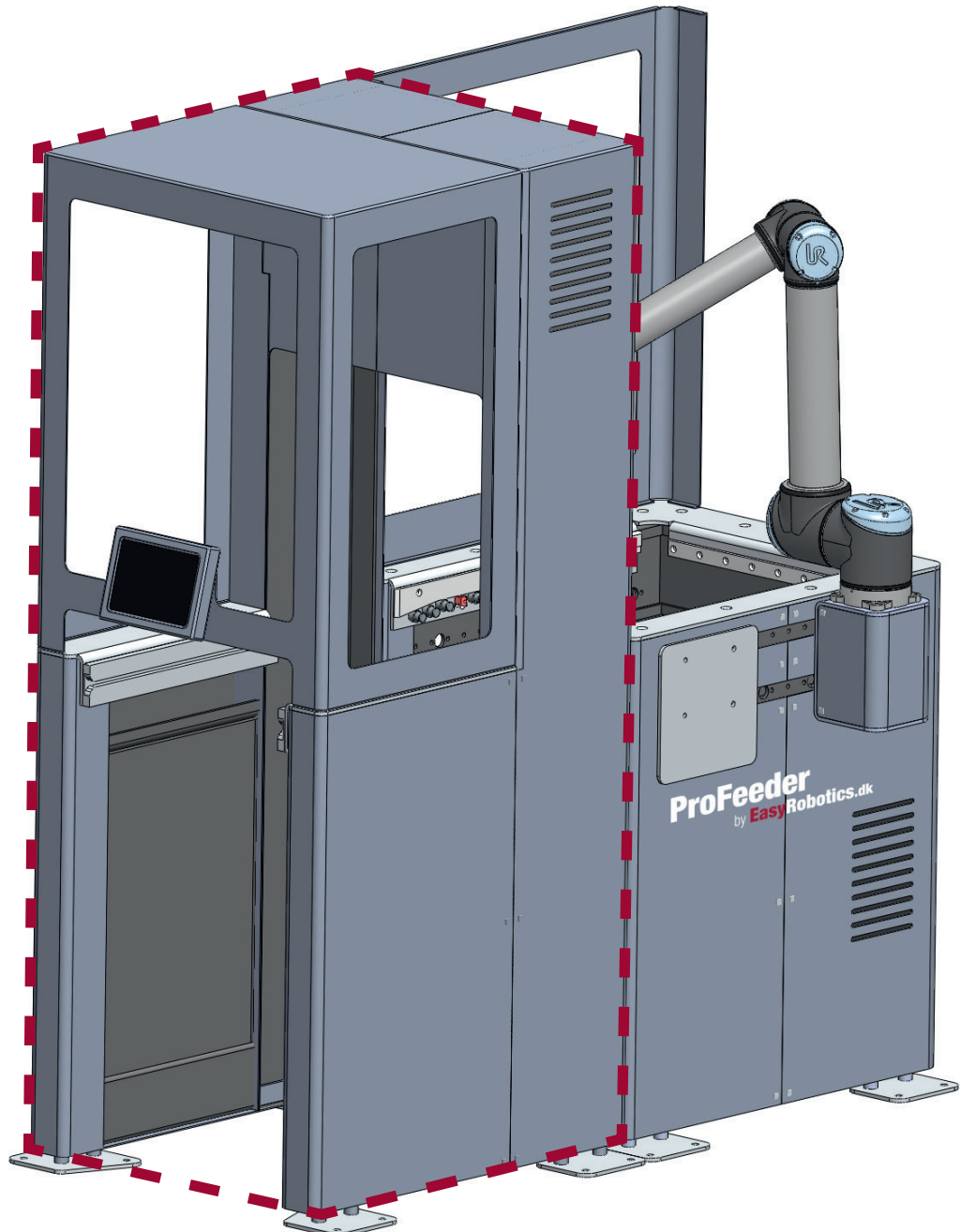
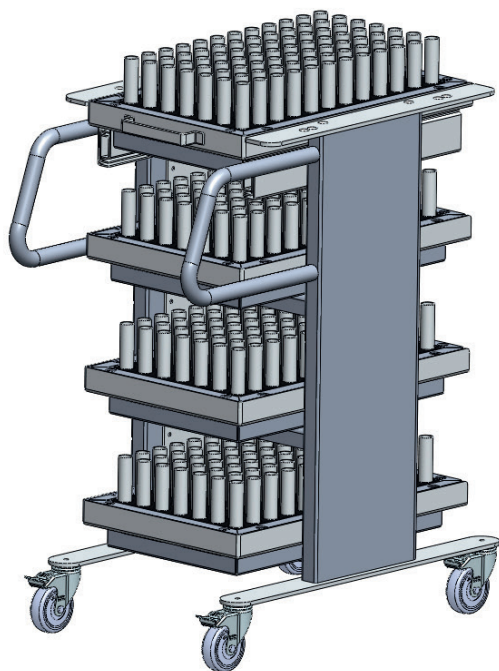
ProFeeder Multi is expanded with 1 lift module that automatically switches the trays with the parts to be processed. The capacity is increased from 1 to 8 parts trays.

The solution makes it possible to run a fully automated 4-shift operation, or introduce unmanned night shifts where any downtime is notified by a text message.

The manual input is limited to supervising the machine, pre-filling the parts trays and replacing the mover once per 4-shift operation.

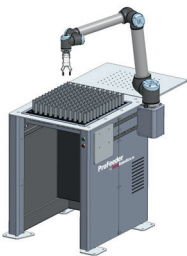
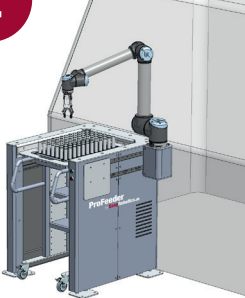
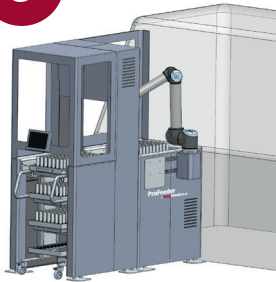
ProFeeder Multi

- The return on investment is approx. 1.5 – 2 years.
- Provides the ability to run a fully automated 4-shift operation.
- Suitable for larger production series.



FACTS

Egersund Maskinfabrik has gone from 16 hours to less than 2 hours of manning on their CNC machine.

	1 	2 	3 
	ProFeeder Light	ProFeeder	ProFeeder Multi
Return of investment*	6 – 8 months	Less than 1 year	1.5 – 2 years
Operation of parts trays	Manual change of parts trays	Changing the mover	Fully automated
Mobility	Easily removable	Easily removable	Stationary
Series size	Small series	Small and medium series	Larger series
Number of parts trays	1	2	2 x 10
Movers	-	2	2
Production	An "extra hand"	2-shift operation	Fully automated 4-shift operation
L x W x H	900 x 860 x 925 mm	900 x 860 x 925 mm	1780 x 860 x 2170 mm

* At 2-shift operation

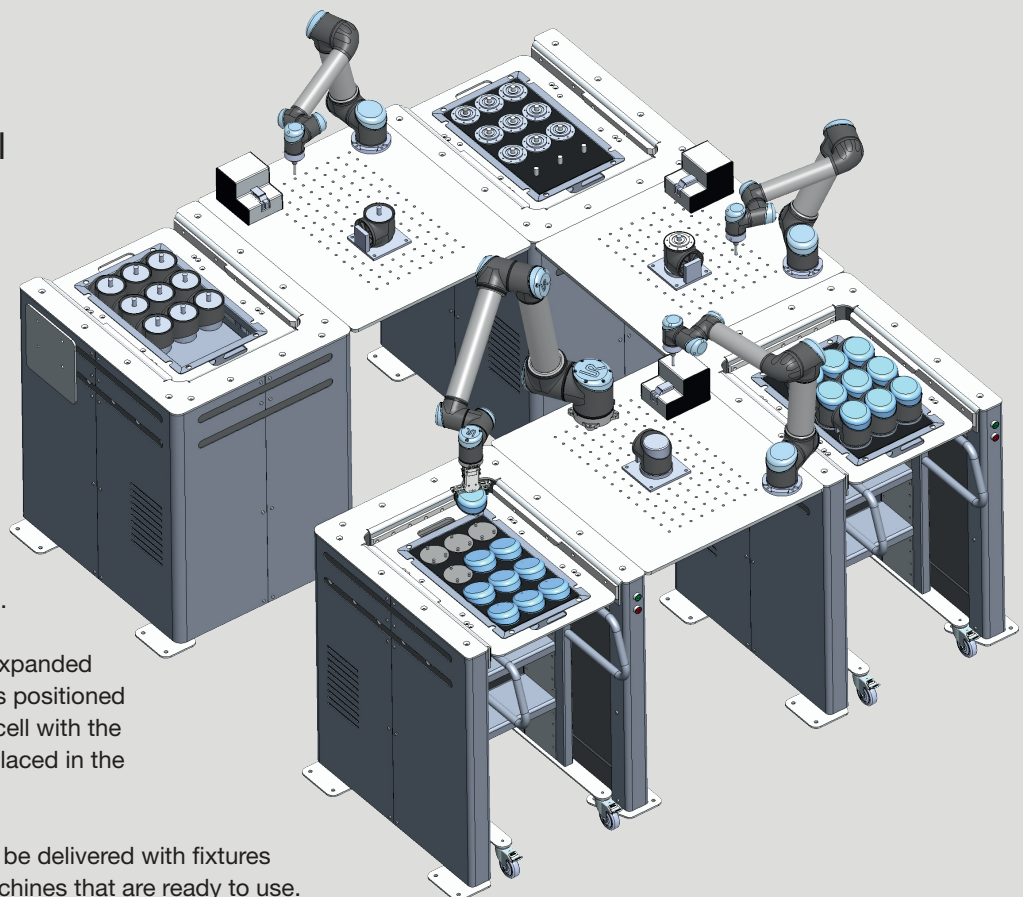
Patent Pending

ProFeeder U-Cell

ProFeeder can be integrated as a module in all types of assembly cells.

The cell build-up can be expanded continuously. The mover is positioned manually to and from the cell with the required parts which are placed in the parts trays.

The ProFeeder U-Cell can be delivered with fixtures and robots with screw machines that are ready to use.



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

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- we move your parts

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