

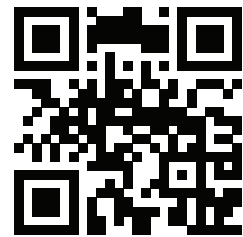


EasyRobotics®
- we move your parts

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

Per Lachenmeier, Anders Kjempff and Henrik Vesterlund Sørensen are the people behind EasyRobotics. Together they have more than 50 years of experience in designing, developing and producing advanced machines for industrial applications.

In 2015 the idea was born for ProFeeder, a mobile and compact automated robot cell that can be mounted on a robot, enabling parts to be fed in and out of fully automatic CNC lathes and milling machines. The robot cell has a parts tray placed in a feeder.



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ProFeeder Table

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

ProFeeder Table 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.

Expansion options: Table for placement of measuring equipment or fixtures.

Good for:

Cutting **Finishing and Polishing**
Grinding **Deburring** **Welding**



ProFeeder Flex

For easy and flexible maneuvering around the production line.

The new ProFeeder Flex is part of the PF family, and it comes with Heavy Duty wheels with integrated legs.

The ProFeeder Flex comes in three models:

- **FlexBase without tables**
- **FlexOne with one table**
- **FlexThree with three tables**

Pedestal placed centrally with in built cable guide.

Flexible mounting for the teach pendant, and free compartment for the controller.



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.

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.

Can be used for:

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

Industries:

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



Can handle parts up to

10 kg

Can be changed to angle axis.

45°

The robot arm can be moved around on all

3 sides



Industries:

- **Assembly**
- **Cutting**
- **Deburring**
- **Grinding**
- **Welding**
- **Food Industry**
- **Machine - Tending**
- **Finishing and Polishing**
- **Electronics Industry**
- **Plastics Industry**
- **Pharmaceutical Industry**

Easy Door

EasyDoor from EasyRobotics is built upon proven components from Siemens.

It is a flexible automatic door opener for a variety of applications in the CNC machining industry. Setup is easily performed during installation giving ramp up and down settings to the motor automatically.

The solution features integration to a high-level controller through simple connection. It supports Profinet, Profibus and digital input/output.



Product advantages:



Easy to use



Safety



Cost effective



Easy installation

ER Work

World's new product – ER Work mobile Cobot platform, made to maximise robot mobility.

ER Work mobile cobot platform is a compact mobile workstation for a safe collaboration with robot arms. ER Work is used in fully or partly automated production environments that demand enhanced flexibility and fast integration.

The ER Work is developed with respect to secure robot arms and to its maximal mobility. The integrated rolls and handholds facilitate easily moving and deploying the ER Work. The ER Work arrives fully mounted with trays, with an option to add a robot arm, and control panel and can be moved without the use of a forklift or pallet truck.

Suitable for:

Maximizing mobile and flexible robotic automation in dense facilities.

UR3 and UR5 collaborative robots from Universal Robots.



Product advantages:

Multifunctional handle works

T-pad holder, handle for transport and easy placement of extra rollers for storing in e.g. trunks of vehicles (Optional feature).

Integrated cord winder and foot pad

Ensuring high safety in productions. No loose cords. Easy tilting and moving of ER Work.

Single-person handling

ER Work fits fully mounted with a UR cobot in the boot of a van and can be loaded in and out of the boot.

Interchangeable perforated parts plate

Space saving feature, containing both hand processed parts. Serving as integrated parts container when moving cobot between processes.

ProFeeder

The ProFeeder – safe operation and easy changes.

The ProFeeder robot cell consists of 1 basic module, 2 movers with 2 flexible part trays. The part trays are automatically centred, and are designed to accommodate all part types.

Product advantages:

Increased production

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

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.

Good investment

The typical return on investment is less than 1 year.



EasyPedestal

Product Advantages:

COMPACT – save space at your factory floor by combining the EasyPedestal + the ProFeeder Compact – full solution at your hands!

STABILITY – our machines are created from solid metal, where durability is crucial when working with machine tools –tending applications.

STATE-OF -THE - ART DESIGN – our machines are carefully designed making sure flexibility it is important. In most cases, considering infrastructure can be a headache to manufactures, our machines are made to "Fit" any working station.

Benefits:

- **Cable guidance feature**
- **Mount controller inside the EasyPedestal**
- **Easy and flexible feeding of CNC machines**
- **It's compatible with cobot from Doosan**
- **Supports different types of machines and it can be adapted to different workstations**



ProFeeder Compact

Compact Footprint at your factory floor.

Product Advantages:

FAST AND EASY PRODUCTION

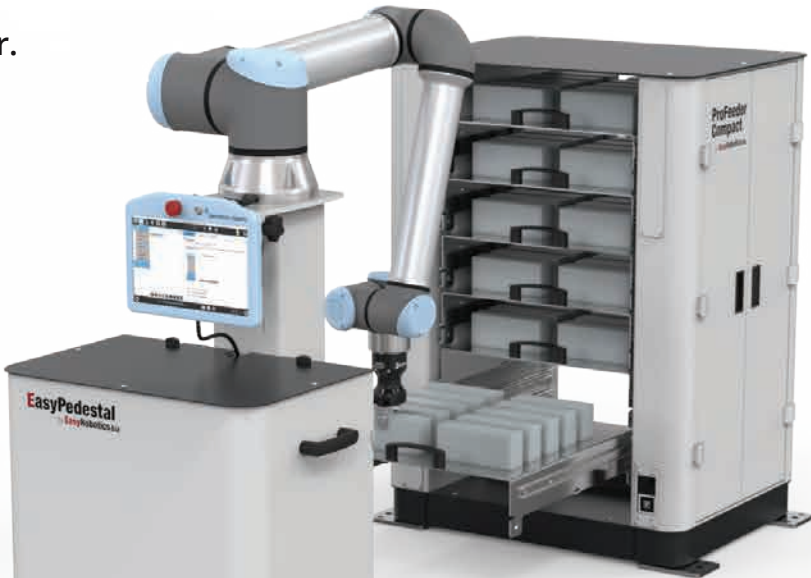
ProFeeder Compact, a complete console machine with up 6 TRAYS for flexibility and speed on production. The feeding trays can be easily unlocked by an operator.

2 LOCKING SYSTEMS AVAILABLE

Mechanical or Air locking systems. Airlocks run in Modbus.

Benefits:

- Consist of 6 trays
- Airlock system
- Optional docking station
- Easily movable around production
- Optional mounted with GD wheels for easy transport
- Optional ER pedestal for Robot Arm and controller compartment



ProFeeder X

Higher production capacity.

Product Advantages:

LARGE PRODUCTION – delivered with 2,5 or 10 trays options ideally to lower cycle time resulting in fast production. Robot arms can be mounted in different angles allowing its ultimate flexibility.

2 LOCKING SYSTEMS AVAILABLE – Mechanical or Air locking systems. Airlocks run in Modbus.

MOVE AROUND PRODUCTION – want to scale production and reduce cycle time at your factory floor? The ProFeeder X is a robust machine designed to handle multiple parts in several trays.

Benefits:

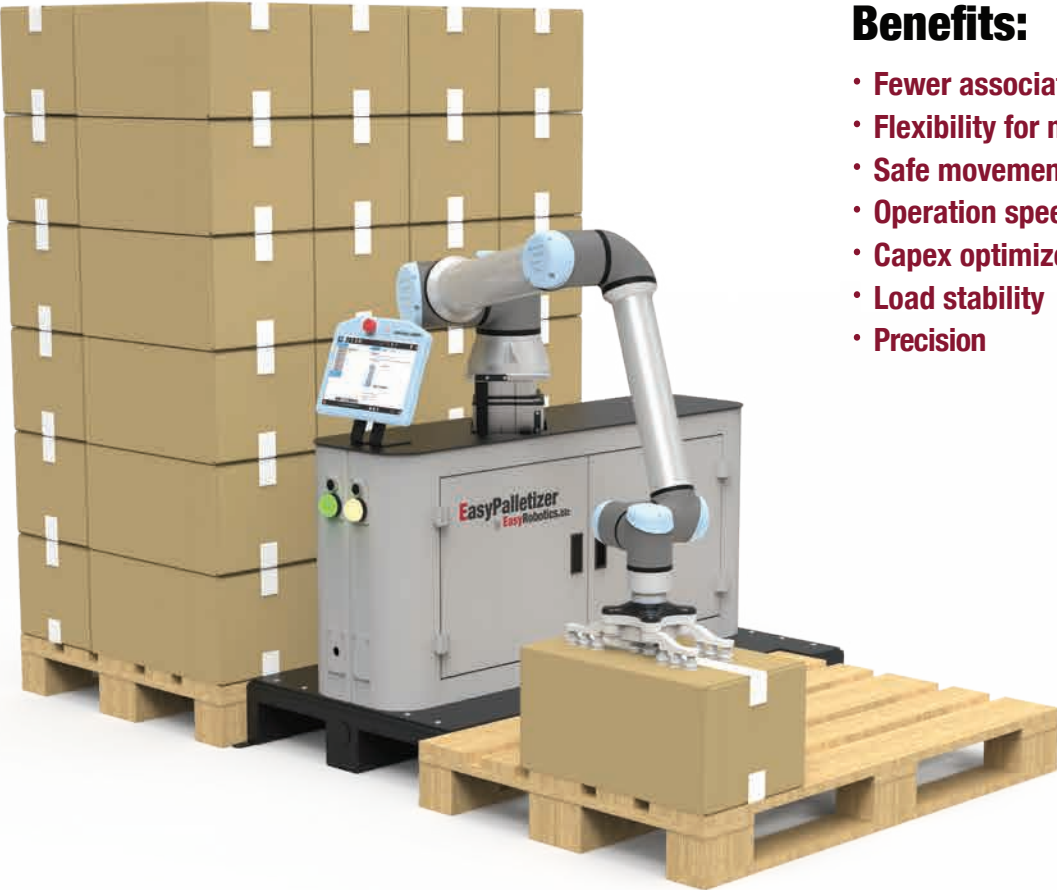
- Consist of 10 trays
- Designed for large volume production
- Bracket for robot teach pedant
- Placement for KTS boxes
- Scalable tray systems
- Very compact footprint dimensions



EasyPalletizer

The EasyPalletizer, is a platform designed for the purpose of making palletizing easy and mobile inside a factory.

The EasyPalletizer consists of a Europallet sized consoles consisting of compartment for: robot controller, cables, hosts and lifting module from SKF or pedestal. The EasyPalletizer is designed robust with 300 KG of total weight without robot and lifter mounted. Each side of the EasyPalletizer consists of a docking system for pallets that measures the placement of the pallets.



Benefits:

- Fewer associated worker injuries
- Flexibility for manufacturing
- Safe movement of boxes
- Operation speed
- Capex optimized
- Load stability
- Precision

Product advantages:

Ethernet RJ45 connector

Ensuring monitoring or access via third part products from outside of the palletizer does the palletizer come with a small plugin for an ethernet cable.

Multipurpose lamps and ethernet plug

At the front of the EasyPalletizer are two I/O connectable multipurpose lamps (with multiple configurable colors).

Pallet detection

The EasyPalletizer consists of four detection pins on each pallet side, which ensure correct docking of pallet before starting palletizing. By the functionality loading stability is ensured as well as a safe operation stabling the components.

Push buttons

Above each lamp bulk there is located push button for each side operation, here the installation can be ensuring “reset” function or activate function of the pallet.