



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.



Visit our website,
scan QR-code.

EasyRobotics ApS

Mommarkvej 5
DK-6400 Sønderborg
Phone: +45 31 25 06 02
info@easyrobotics.dk

www.easyrobotics.biz
www.easyrobotics.de





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

EasyRobotics®
- we move your parts



ProFeeder Table

Fast and easy start 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
- Welding
- Grinding
- Deburring
- Polishing



ProFeeder Light

Basic solution with 1 flexible manual removable parts tray 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
- Pharma
- Automotive and 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

ProFeeder Flex

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.



Industries:

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

ProFeeder X-XL

Self-sufficient, convenient and still compact.

Product Advantages:

SPACIOUS AND VERSATILE

ProFeeder X-XL allows you to place it on any type of equipment, like a CNC machine or a conveyor. It is 500mm wider than the standard ProFeeder X and is available with 2 or 5 trays

2 LOCKING SYSTEMS AVAILABLE

Mechanical or Air locking systems. Airlocks run in Modbus.

Benefits:

- Available with 2 or 5 trays
- 45° or 0° cobot mount
- Airlock or Mechlock locking system
- Easily movable with palletlifter
- Spacious controller compartment
- Perfect for machine tending automation



ProFeeder X

Higher production capacity.

Product Advantages:

FAST PRODUCTION

Delivered with 2,5 or 10 trays options. It is ideal 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.

EASY TO MOVE AROUND

Scale production and reduce cycle time at your factory floor, with a robust machine designed to handle multiple parts in several trays.

Benefits:

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



ProFeeder

Safe operation and easy series 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:

ENLARGED PRODUCTION

The solution makes it possible to quickly change the mover and organise non-stop production with just one operator serving up to 10 robot-cells.

QUICK SERIES CHANGE

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, depending on the profitability and business model.



ProFeeder R

Spacious feeder cabinet with 10 trays

Product Advantages:

HIGH CAPACITY

Has 10 trays 600x400mm for parts up to 80mm maximum height!

HIGH PRECISION

The maximum deflection with a load of up to 120 kg per 1 tray is only 1 mm

HIGH COMPATIBILITY

Fully compatible with various cobot brands and pedestals. Works with any CNC machine available on the market.

SAFE OPERATION

Due to modern and reliable Airlock locking system the feeder cabinet is safe for workers and provides



Features:

- 10 pull-out trays (600 x 400mm)
- Suitable for parts up to 80mm high
- Compact (H: 1750 mm, W: 1300, L: 880)
- Durable and roomy
- Extremely spacious

ProFeeder Compact

Compact footprint at your factory floor.

Product Advantages:

FAST AND EASY PRODUCTION

ProFeeder Compact, a complete console machine with up to 10 TRAYS for flexibility and speed on production.

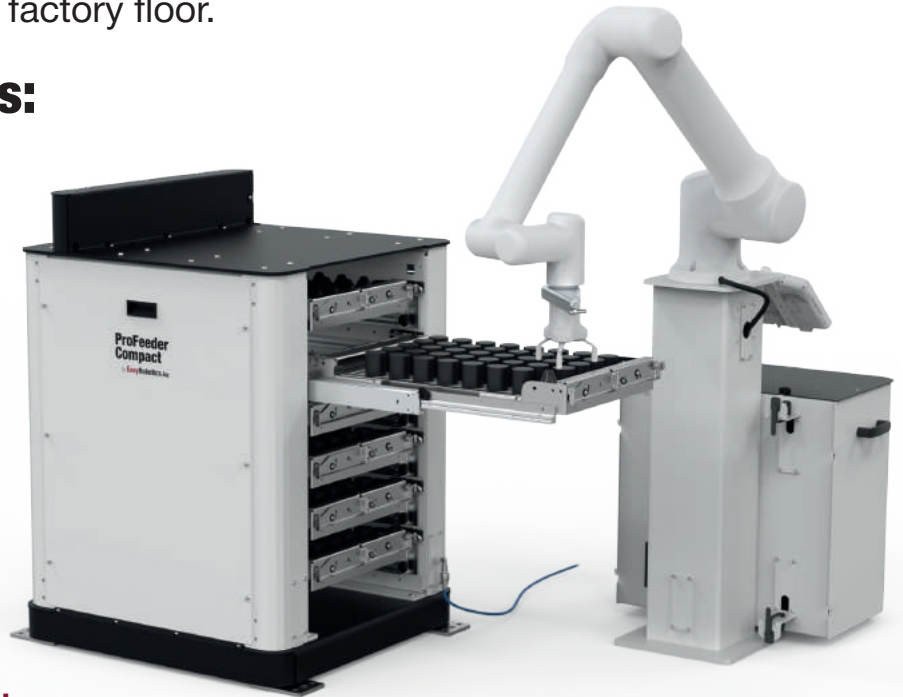
The feeding trays can be easily unlocked by an operator.

2 LOCKING SYSTEMS AVAILABLE

Mechanical or Air locking systems. Airlocks run in Modbus.

Benefits:

- Up to 10 trays
- Two locking systems
- Easily movable around production
- Optional mounted with GD wheels for easy transport
- Optional ER pedestal for Robot Arm and controller compartment



ProFeeder Compact XL

Capacious but compact robot-cell.

Product Advantages:

CAPACIOUS SOLUTION

Contains 5 big trays 780 x 620mm, that can be used with details with maximum height up to 160mm

2 LOCKING SYSTEMS AVAILABLE

Mechanical or Air locking systems. Airlocks run in Modbus.

SUITABLE FOR MASS PRODUCTION

The product is made for working with bigger series. production.

SPACIOUS BUT COMPACT

The sizes of the robot cell are H: 1165mm, W: 1220mm, L: 920mm.

Benefits:

- Consists of 5 trays 780 x 620mm
- Designed for bigger series production
- Compatible with 99% of modern cobots
- Maximum height of details up to 160mm
- Capacious but easily mobile
- Mutually compatible with other ER products



ProFeeder Compact Robot

Unique self-sufficient automation solution

ProFeeder Compact for mounting robot is a complete "All in one" automation solution. You don't need any robot pedestals to use it, because cobot has to be mounted on the top of the robot-cell.

Benefits:

- **Very compact footprint**
- **High compatibility**
- **All in one solution**
- **Airlock or Mechlock system**



Product advantages:

2 TRAY VERSIONS

The product can be equipped with 3 x 60kg trays for 120mm maximum parts height or 4 x 120kg trays for max. 80mm.

45° OR 0° COBOT MOUNT

The cobot can be mounted in two angles to make sure it has 100% access to all trays.

HIGH COMPATIBILITY

Compatible with all CNC machines, conveyor belts, and all other products from Easy-Robotics.

2 LOCKING SYSTEMS

The product is available with both Mechanical and Air tray locking systems.

EasyWork

Mobile cobot platform, made to maximise robot mobility

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

The EasyWork is developed with respect to secure robot arms and to its maximal mobility. The integrated rolls and handholds facilitate easily moving and deploying the EasyWork.

The EasyWork 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.

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).

CORD WINDER AND FOOT PAD

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

SINGLE-PERSON HANDLING

EasyWork fits fully mounted with a UR or Doosan cobot in the boot of an SUV and can be loaded in and out easily.

INTERCHANGEABLE PERFORATED PARTS PLATE

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

Suitable for:

- Maximizing mobile and flexible robotic automation in dense facilities.
- UR3 and UR5 from Universal Robots and A-series from Doosan
- Movable by one person without the use of forklift or pallet truck
- Facilitates the start-up to automation
- Minimizes set up a time with changes in production
- Convenient and fast moving integration of cobots in production
- Enhances flexibility and effectiveness in production
- Perfect demonstration platform
- Easily fits in a car trunk

Product advantages:



Easy to use



Safety



Cost effective



Easy installation



EasyPedestal

Compact and handy robot pedestal

Product Advantages:

COMPACT SIZE

Save space at your factory floor by using the EasyPedestal – truly compact and budget friendly solution, suitable for automation in plenty of industries

STABILITY

Created from solid metal, for high stability and durability. We know it is crucial when working with machine-tending and other applications.

SMART DESIGN

EasyPedestal is carefully designed with a focus on flexibility, compact size and functionality, making sure it "Fits" any working station and is compatible with any production line



Benefits:

- Optional controller compartment
- Compact size and low price
- Support of different machine types
- Up to 3 tables (600x400mm) mounted

EasyDesk Tray

Universal solution with stainless steel tabletop

Robot workstation is equipped with re-attachable mount plate. The place of its attachment can be changed along the entire length of 3 working sides - that allows to choose the best position to ensure 100% reach over the whole tabletop.

Product advantages:

CUSTOMIZABLE TABLETOP PARTS-TRAY

You can choose standard 94x Ø0-70 parts-tray or customize it for your requirements.

GOOD INVESTMENT

The typical return on investment is less than 1 year.

UNIVERSAL SOLUTION

Increased capacity makes it the perfect solution for CNC machine tending. It's equipped with Universal 2 mm parts-tray with 94 spots.

INCREASED EFFICIENCY

Automated supply of the CNC machine ensures



EasyDesk Alu

Spacious robot-cell for large series productions

Product Advantages:

UNIVERSAL SOLUTION

Alu is a spacious robot cell, prepared for use in numerous applications in large series productions. It's a convenient solution suitable for any kind of productions

WIDE TABLETOP

The size of the tabletop is 1200x800mm. It is made of 40mm aluminum profile, which supports work with up to 300 kg and provides versatility of use.

Applications:

- Cutting
- Finishing
- Deburring
- Grinding
- Quality Control
- Polishing



EasyDesk Welding

High-quality welding table for all types of cobots.

Product Advantages:

HIGH QUALITY TABLETOP

The tabletop of EasyDesk Welding is made of a high quality plasma nitrided steel, which guarantees long and reliable work.

PERFECT SIZE FOR WELDING

Robot workstation is equipped with perforated, plasma nitrided steel plate X 8.7, 1200 x 800 x 12mm.

STEADY, BUT FLEXIBLE AND MOBILE

EasyDesk`s trotters can be securely fixed to the floor

Benefits:

- Compatible with 99% of modern cobots
- Robot arm can be mounted on 3 sides
- The angle of cobot mount can be 45° or 0°



EasyPalletizer

Universal platform designed for the purpose of making palletizing compact 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 and precision



Product advantages:

ETHERNET CONNECTOR

Ensuring monitoring or access via third party products, the palletizer comes with an RJ45 plugin for an ethernet cable.

MULTIPURPOSE LAMPS

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 stabilizing 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