ProFeeder Series

ProFeeder Alu and ProFeeder Tray

Two work surfaces. One robust industrial robot cell.

Acompact, floor-anchored robot cellfor CNC machinetending, assembly,finishing, inspection andsmall-series production.

Select the aluminum-profile work surface for flexible fixturing, or the quick-change parts tray for structured component presentation.

PROFEEDER ALU

40mm aluminum-profile tabletop | 900 x 800 mm work area

PROFEEDER TRAY

Quick-change parts tray | teardrop or square pattern

Compatible with 99% of modern cobots

Suitable for many compact industrial robots*

Custom robot interface available when required

IMPORTANT - ORDER THE ROBOT ADAPTER PLATE

Select the adapter plate for the exact robot brand and model in the configurator at easyrobotics.biz. The robot-specific plate is a separate order item unless explicitly stated in the quotation.

**Industrial-robot suitability is subject to payload, base moment, reach, mounting interface, anchoring and safeguarding verification.*

Engineered as a production platform

A rigid, serviceable cell designed around stable robot mounting, protected controllerspace and clean integration.

INTEGRATED CONTROLLER COMPARTMENT

ADJUSTABLE TEACH PENDANT BRACKET

1 Powder-coated steel body

The structural enclosure is built for long-term industrial use and protects internal equipment.

2 High static mass

205 kg for Alu and 202 kg for Tray provide a stable base for repeatable robot motion.

3 M16 floor anchoring

The cell must be aligned, leveled and securely anchored before robot operation.

4 Protected controller space

A 650 x 420 x 550 mm compartment keeps the controller accessible and organized.

5 Controlled cable routing

Dedicated openings and internal space reduce loose cables and protect connections.

6 Flexible robot position

The robot can be mounted at 0 or 45 degrees and positioned on three sides of the cell.

ROBOT INTERFACE ARCHITECTURE

01 **Robot arm** › 02 **Robot-specific adapter plate** › 03 **ProFeeder robot console** › 04 **Anchored steel cell**

The adapter plate must match the exact robot bolt pattern. Use the website configurator or request a customized interface.

ProFeeder Alu

A rigid,re configurable work surface for fixtures, tooling and demanding production tasks.

ORDER NO. PF-1000-A

The 40 mm aluminum-profile tabletop provides a universal work surface for clamps, fixtures, measuring equipment and process tooling. The robust steel base remains floor-secured while the working layout can be changed for new products or operations.

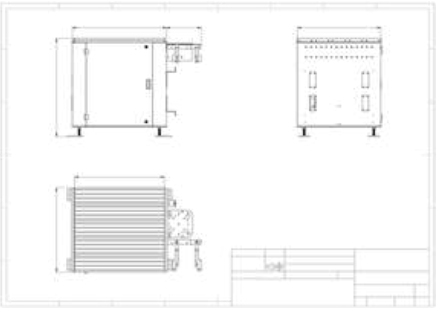
1165 x 800 x 932	**205**
OVERALL SIZE / MM	PRODUCT WEIGHT / KG
900 x 800	**40**
WORK AREA / MM	PROFILE HEIGHT / MM

Technical configuration

Tabletop	40 mm aluminum profile
Robot mount	0 or 45 degrees
Teach pendant bracket	Included
Controller compartment	650 x 420 x 550 mm
Floor anchoring	Required - M16 bolts
Air supply	Not required
Published options	Wheels, floor dock, safety scanner cover

ROBUST AND RECONFIGURABLE

The aluminum profiles accept a wide range of clamping systems and custom fixtures. The powder-coated steel enclosure, high mass and mandatory floor anchoring create a stable platform for repeatable automation.



Typical applications

- CNC machine tending
- Assembly
- Pick and place
- Polishing and finishing
- Deburring and grinding
- Inspection and testing

ProFeeder Tray

Quick-change part presentation for machine tending and repetitive handling.

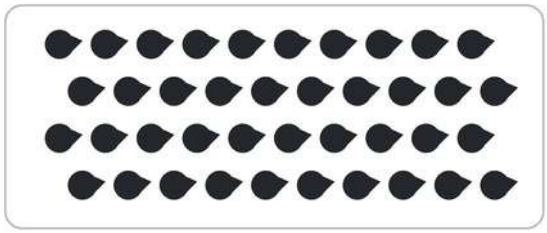
ORDER NO. PF-1000-T

A universal parts tray turns the 900 x 800 mm work area into an organized component buffer. ProFeeder Tray is available with teardrop or square pattern and can be customized for the required part geometry, pitch and capacity.

1165 x 800 x 900 OVERALL SIZE / MM	**202** PRODUCT WEIGHT / KG
900 x 800 WORK AREA / MM	**90 / 72** EXAMPLE CAPACITY / SQ. / TEARDROP

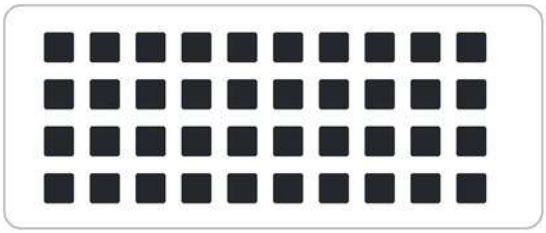
Technical configuration

Tabletop	Quick-change parts tray
Robot mount	0 or 45 degrees
Teach pendant bracket	Included
Controller compartment	650 x 420 x 550 mm
Floor anchoring	Required - M16 bolts
Air supply	Not required
Pattern choices	Teardrop, square or custom



TEARDROP PATTERN

Standard insert reference DT-1000-03 is included with PF-1000-T. Published example: 72 positions for 72 mm teardrop geometry.



SQUARE PATTERN

Available as a configured tray insert. Published example: 90 positions for 80 x 80 mm square parts. Confirm the order reference in the configurator or quotation.

Position capacity depends on pattern, pitch, part dimensions and gripper clearance. The approved tray drawing governs the final configuration.

99% of cobots. Many industrial robots.

One production cell - with a verified interface for the selected robot.

99%

OF MODERN COBOTS

ProFeeder supports leading cobot brands and many compact industrial robots. Suitability is determined by the robot base pattern, payload, dynamic moment, reach envelope, mounting orientation and the complete application.

Standard compatibility

Robot-specific adapter plates are available for a broad range of collaborative robots. Select the exact brand and model in the website configurator.

Industrial robot integration

Many compact industrial robots can be integrated after engineering review. Guarding, safety functions, controller location and dynamic loads must be validated for the complete cell.

Does not fit? Customize it.

EasyRobotics can engineer a custom adapter plate, robot console interface or tray solution when the standard configuration does not match the robot or process.

CONFIGURATION WORKFLOW

01	02	03	04	05
Select Alu or Tray	Choose robot brand and model	Add the correct adapter plate	Verify reach, payload and moment	Confirm quotation and cell safety

DO NOT OMIT THE ADAPTER PLATE

The robot-specific adapter plate is essential for the correct bolt pattern, alignment and load transfer. Order it together with the ProFeeder cell.

Configure the cell around the process

Standard platform features, published options and engineered additions.

Standard platform features

1. **Steel enclosure**
   Robust powder-coated body for demanding industrial use.
2. **Three-side robot mount**
   Robot console position can be selected on three sides.
3. **Teach pendant bracket**
   Adjustable holder for practical operator access.
4. **Controller compartment**
   Protected internal space for the robot controller.

Published options

1. **Wheels**
   Heavy-duty mobility option for flexible deployment.
2. **Floor dock**
   Defined positioning for repeatable relocation.
3. **Safety scanner cover**
   Mechanical protection for selected scanner layouts.
4. **Stainless-steel execution**
   Project-specific material option for suitable environments.

Engineered options

1. **Robot adapter plate**
   Customized interface when the standard plate is not suitable.
2. **Custom tray geometry**
   Part-specific holes, pitch, orientation and capacity.
3. **Custom mounting position**
   Application-specific console location and orientation.
4. **Cell integration package**
   Guarding, cable routing and machine interface by quotation.

Feature	ProFeeder Alu	ProFeeder Tray
Work surface	40 mm aluminum profile	Quick-change parts tray
Work area	900 x 800 mm	900 x 800 mm
Overall size	1165 x 800 x 932 mm	1165 x 800 x 900 mm
Product weight	205 kg	202 kg
Primary use	Flexible fixtures and tooling	Structured parts feeding
Pattern / capacity	Application-defined layout	Teardrop, square or custom

Option availability, robot suitability and final configuration are confirmed in the current configurator, quotation and order confirmation.

Install for stability. Maintain for repeatability.

The ProFeeder is a component of a complete robot cell and must be installed by trained personnel.

1 Position and level

Place the cell on a suitable floor and level it before mounting the robot.

2 Anchor with M16 bolts

Use floor-suitable M16 anchors and verify that all fixing points are secure.

3 Install controller and cables

Place the controller inside the compartment and ensure cables are not squeezed or exposed to moving parts.

4 Mount adapter plate and robot

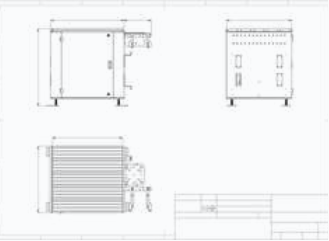
Install the selected adapter plate, follow the robot manual and tighten all fasteners to the specified torque.

5 Set mounting orientation

Configure the robot software for the selected 0 or 45 degree mounting orientation.

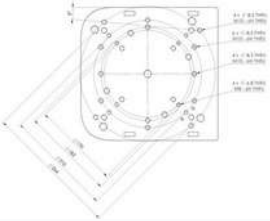
6 Validate the complete cell

Perform the full risk assessment, safeguarding validation and functional test before production.



FLOOR ANCHORING

CONTROLLER ACCESS



ROBOT INTERFACE

ROUTINE CHECKS

Inspect anchor bolts, robot fasteners, cable routing, doors, brackets and optional equipment at suitable service intervals.

INTEGRATOR RESPONSIBILITY

The installer and system integrator are responsible for the final risk assessment, safeguarding, applicable conformity procedures and safe operation of the complete robot cell.

Ordering overview

Published work station references-plus the required robot-specific adapter plate.

Order no.	Item	Configuration / ordering note
PF-1000-A	ProFeeder Alu	1165 x 800 x 932 mm (L x W x H) | 205 kg | 40 mm aluminum-profile tabletop | T-Pad bracket | controller bracket
PF-1000-T	ProFeeder Tray	1165 x 800 x 900 mm (L x W x H) | 202 kg | quick-change tray | DT-1000-03 included | T-Pad bracket | controller bracket
DT-1000-03	Teardrop tray insert	Published standard insert included with PF-1000-T; 72-position example at 72 mm geometry
Configurator / quote	Square-pattern tray insert	Select square pattern, pitch and capacity; current order reference is confirmed in the quotation
Configurator item	Robot adapter plate	Mandatory selection for the exact robot brand and model unless explicitly included in the quotation
Quote / configurator	Options and custom work	Wheels, floor dock, safety scanner cover, stainless steel, custom tray and industrial-robot integration

REMEMBER THE ROBOT ADAPTER PLATE

Select and order the adapter plate for the exact robot in the EasyRobotics website configurator. When no standard interface fits, request a customized plate.

OPEN WEBSITE / CONFIGURATOR

EasyRobotics ApS Tinggardvej 1, 6400 Sonderborg, Denmark | info@easyrobotics.dk | +45 5377 0267 | www.easyrobotics.biz

Specifications, illustrations, dimensions, capacities, order references and availability may be changed without notice. Errors and omissions excepted. Robot compatibility and option availability must be verified for the specific project. The quotation, approved drawings and order confirmation take precedence.