ProFeeder Flex

Mobile robot platform for flexible production

Move automation between processes - without giving up stability.

A robust mobile robot cell for CNC machine tending, parts handling, assembly and finishing. Heavy-duty wheels provide mobility; two anchored floor docks establish a defined operating position.

FlexBase

PFF-1002-00

Mobile robot stand with protected controller compartment.

FlexOne

PFF-1002-01

One 650 x 430 mm wing table, rated up to 110 kg.

FlexThree

PFF-1002-03

Three 650 x 430 mm wing tables, each rated up to 110 kg.

Compatible with 99% of modern cobots

Suitable for many compact industrial robots*

Robust steel platform with positive floor docking

IMPORTANT - ORDER THE ROBOT ADAPTER PLATE

Select and order the adapter plate for the exact robot brand and model in the configurator at easyrobotics.biz. If no standard interface fits, EasyRobotics can engineer a custom plate.

**Industrial-robot suitability is subject to static and dynamic load, base moment, reach, mounting interface, cable routing, docking loads and safeguarding verification.*

Robust by design. Mobile by purpose.

A rigid enclosed chassis, protected controls and positive docking turn mobility into a repeatable production platform.

INTEGRATED CONTROLLER COMPARTMENT

TWO-POINT FLOOR DOCKING

1 Rigid enclosed chassis

A substantial metal enclosure supports the robot, protects internal equipment and resists everyday industrial use.

2 Heavy-duty mobility

Integrated wheels make the fully equipped workstation easy to reposition within the factory.

3 Positive floor docking

Two anchored docking plates define the working position and help prevent movement or tipping.

4 Protected controller space

The 550 x 300 x 550 mm compartment keeps the robot controller accessible and organised.

5 Controlled cable routing

Dedicated cable covers and internal paths reduce exposed loops and protect connections.

6 Flexible operator interface

The teach-pendant holder can be adjusted to the robot brand and the preferred working position.

PLATFORM ARCHITECTURE

Robot arm → Robot-specific adapter plate → Horizontal robot console → Rigid mobile chassis → Anchored floor docks

Dock and level the platform before robot installation and before every production cycle.

Three variants. One proven platform.

Select the table capacity needed for the process while re taining the same mobility,controller protection and docking concept.

FlexBase

PFF-1002-00

L x W x H	1000 x 680 x 1100 mm
Weight	100 kg
Tables	None
Work area	-
Table load	-

Published commercial data.

FlexOne

PFF-1002-01

L x W x H	1000 x 680 x 1100 mm
Weight	115 kg
Tables	1
Work area	650 x 430 mm
Table load	110 kg

One compact wing table.

FlexThree

PFF-1002-03

L x W x H	1096 x 1522 x 1110 mm
Weight	150 kg
Tables	3
Work area	3 x 650 x 430 mm
Table load	110 kg each

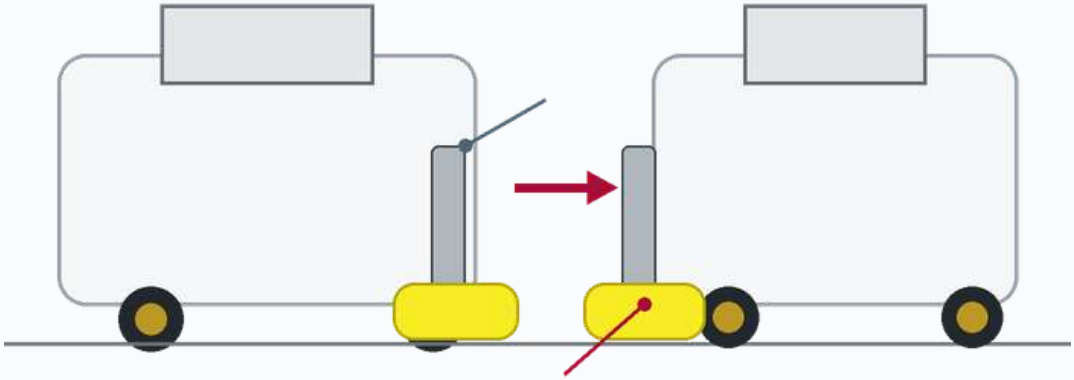
Expanded working envelope.

Common platform feature	FlexBase	FlexOne	FlexThree
Controller compartment	Yes	Yes	Yes
Wheels / floor docks	Yes / 2	Yes / 2	Yes / 2
Robot mounting	0 degrees	0 degrees	0 degrees

Nominal published data. Current quotation, approved drawings and order confirmation govern final dimensions and configuration.

Mobile between tasks. Positively docked in production.

The docking system separates transport mobility from the stable, defined position required for robot operation.



1 Move

Release the docking shafts, apply safe handling practice and roll the platform to the next station.

2 Position

Align the two shafts directly above the threaded floor docking plates.

3 Dock

Lower and screw the shafts into the plates; tighten the clamping grips.

4 Verify

Brake, level and confirm that the platform cannot move or tip before operation.

Two docks included

Each standard platform is supplied with two floor docking plates for a defined working location.

Extra docking locations

Order PFF-1002-04 for two additional floor docking plates at another workstation.

PFF-1002-04

Larger robot support

Order PFF-1002-05 for an extra front/rear dock when the robot requires a wider stability arrangement.

PFF-1002-05

Floor-specific anchoring

Use anchors suitable for the floor, loads and local regulations; floor bolts are not supplied.

Docking must never be treated as a substitute for the complete risk assessment and approved cell design.

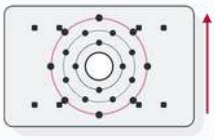
99% of cobots. Many industrial robots.

Abroad mounting concept supports standard integration, while project engineering extends the platform to demanding robot applications.

99%

OF MODERN COBOTS

Published compatibility for the ProFeeder Flex platform.



Standard cobot compatibility

Suitable for leading collaborative robot brands, including Universal Robots, Doosan, Hanwha, Kassow, FANUC and Techman. Select the exact robot model before ordering.

Many industrial robots

Compact industrial robots can be integrated after checking robot mass, payload, base moment, reach, acceleration, mounting interface, docking loads and required guarding.

Custom engineering when required

If the standard adapter or docking arrangement does not fit, EasyRobotics can design a custom adapter plate, mounting solution or additional support for the approved project.

CONFIGURATION WORKFLOW

01	02	03	04	05
Select robot brand and model	**Choose FlexBase, FlexOne or FlexThree**	**Add the exact adapter plate**	**Verify loads, reach and docking**	**Confirm safeguarding and final cell**

DO NOT OMIT THE ROBOT ADAPTER PLATE

The robot-specific adapter plate is a separate order item unless it is explicitly included in the quotation. Use the configurator on the EasyRobotics website.

Configure the platform around the process.

Standard equipment, published accessories and engineered additions create a controlled path from basic mobility to a complete robotcell.

Standard equipment

1 Heavy-duty wheels

Integrated mobility for relocation inside the production facility.

2 Two floor docks

Anchored docking plates establish the operating position.

3 Controller compartment

Protected 550 x 300 x 550 mm internal space.

4 Teach-pendant holder

Adjustable mounting for major robot brands.

Published options

1 Extra docking plates

PFF-1002-04 - two additional floor docking plates.

2 Front/rear dock

PFF-1002-05 - extra support for larger robots.

3 Safety scanner cover

Protected mounting solution; reference confirmed in quotation.

4 Robot adapter plate

Brand- and model-specific item selected in the configurator.

Engineered options

1 Custom adapter plate

Designed when no standard robot interface matches.

2 Custom work surface

Part fixtures, nests, bins or process-specific tabletop.

3 Industrial robot integration

Calculated mounting, docking and safeguarding package.

4 Custom cable / safety package

Cable routing, scanner brackets and project-specific additions.

TYPICAL APPLICATIONS

- CNC machine tending
- Cutting
- Finishing and polishing
- Deburring
- Grinding
- Welding
- Assembly

Options, capacities and final part numbers must be confirmed in the current quotation and approved project drawing.

Install for stability. Validate the complete cell.

Installation must be performed by trained personnel and released through a complete project risk assessment.

1 Position and level

Place the platform on a suitable floor and level it before commissioning.

2 Anchor docking plates

Align the two docking plates and secure them with floor-appropriate anchors through the countersunk holes.

3 Dock before robot mounting

Keep the ProFeeder Flex docked while installing the robot and adapter plate.

4 Install controller and cables

Place the controller inside, retain the lid safely and confirm that no cables are squeezed.

5 Mount and verify the robot

Follow the robot manual, torque all fasteners and verify clearance to tables and teach pendant.

6 Validate the complete cell

Test movement, brakes, docking, guarding, emergency functions and the full application.

INTEGRATOR RESPONSIBILITY

The ProFeeder Flex is partly completed machinery. The complete robot cell must not be put into service until the integrator has completed risk assessment, safeguarding, conformity procedures and final validation.

DOCKING AND ANCHORING

CONTROLLER ACCESS

CONTROLLED CABLE ROUTING

LIFECYCLE CHECKS

Check wheel brakes, free wheel movement and adjustable feet at least yearly. Inspect fasteners, docks, cables and fixtures at intervals appropriate to the application.

TRANSPORT

Use the original wooden transport box where possible and lash the system securely.

Ordering overview

Published product and accessory references, plus the required robot-specific adapter plate.

Order no.	Item	Configuration / ordering note
PFF-1002-00	ProFeeder FlexBase	H:1100 mm | W:680 mm | L:1000 mm | 100 kg | floor docking | T-pad bracket | controller compartment.
PFF-1002-01	ProFeeder FlexOne	H:1100 mm | W:680 mm | L:1000 mm | 115 kg | floor docking | controller compartment | one table.
PFF-1002-03	ProFeeder FlexThree	H:1110 mm | W:1522 mm | L:1096 mm | 150 kg | floor docking | controller compartment | three tables.
PFF-1002-04	Extra floor docking plates	Two additional floor docking plates for another defined working position.
PFF-1002-05	Extra front/rear dock	Additional front/rear docking support for larger robot applications.
Configurator item	Robot adapter plate	Mandatory selection for the exact robot brand and model unless explicitly included in the quotation.
Quotation / configurator	Options and customisation	Safety scanner cover, custom work surface, custom adapter, industrial robot integration and project-specific equipment.

REMEMBER THE ROBOT ADAPTER PLATE

Select and order the plate for the exact robot in the EasyRobotics website configurator. If no standard plate fits, request a custom solution.

PRODUCT / CONFIGURATOR ENTRY

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

Specifications, illustrations, dimensions, weights, order numbers and availability may change without notice. Errors and omissions excepted. Compatibility must be verified for each project. The quotation, approved drawings and order confirmation prevail.