ProFeeder Compact Series

Compact, Compact-XL and integrated Compact Robot configurations

High capacity. Controlled footprint. Engineered for production.

A modular family of drawer-based parts feeders for CNC machine tending,pick-and-place and automated handling. Select the standard Compact, the large-tray Compact-XL / High Cube, or Compact Robot with integrated robot mounting and controller protection.

PROFEEDER COMPACT

3-10 drawers | 60 or 120 kg per drawer

COMPACT-XL / HIGH CUBE

5 or 10 large drawers | 90 kg per drawer

COMPACT ROBOT

Integrated 0°/45° robot mount | controller compartment

Compatible with 99% of modern cobots

Suitable for many compact industrial robots*

Custom robot interface available

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.*

Robust by design. Built for repeatable production.

High static mass, floor anchoring, rated full-extension drawers and selectable locking systems.

HIGH-MASS FLOOR-ANCHORED CELL

MECHLOCK OR AIRLOCK

1 High static mass

Published configurations range from 270 to 675 kg, supporting a stable, low-vibration automation platform.

2 Rated drawer load

Choose 60, 90 or 120 kg per drawer according to part size, fixture mass and required autonomy.

3 Floor anchoring required

The feeder must be aligned, levelled and securely anchored before production operation.

4 Industrial drawer architecture

Full-extension drawers provide controlled loading and robot access with 15 N or 20 N published pull force.

5 Mechlock or Airlock

Select mechanical locking without utilities or pneumatic locking with digital status and control.

6 Airlock integration

Airlock variants require max. 8 bar dry air and use a digital I/O switch interface.

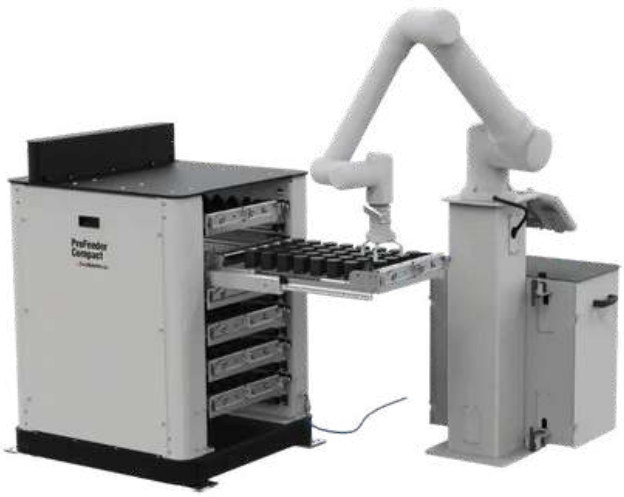
LOAD PATH & CELL ARCHITECTURE

01 Parts and fixtures › 02 Rated drawer › 03 Locking system › 04 Rigid anchored base

Operating rule: do not extend more than one drawer on each side at the same time.

ProFeeder Compact - feeder platform

Maximum parts capacity in a 920 x 770 mm floor footprint.



SEPARATE ROBOT PEDESTAL

The feeder-only Compact maximizes drawer capacity and can be approached from four sides. Pair it with EasyPedestal or another validated robot pedestal for the robot arm and controller.

Footprint	920 x 770 mm
Height	1050 / 1165 mm
Drawer options	3, 5, 6 or 10
Tray work area	350 x 550 mm

Robot mount	Separate pedestal
Controller space	In pedestal / robot system
Locking	Mechlock or Airlock
Air supply	None / max. 8 bar dry air
Interface	None / I/O switch
Floor anchoring	Required

CAPACITY FAMILIES

60 kg drawer family

3 drawers: max. part height 240 mm
6 drawers: max. part height 120 mm

120 kg drawer family

5 drawers: max. part height 160 mm
10 drawers: max. part height 80 mm

Per drawer examples: 24 parts at 80 x 80 mm square geometry or 23 parts at 72 mm teardrop geometry.

For the feeder-only configuration, order the robot pedestal and robot-specific adapter plate separately.

ProFeeder Compact-XL & High Cube

Large 780 x 620 mm drawers for higher capacity and larger components.

SEPARATE ROBOT PEDESTAL

Compact-XL increases usable tray area while retaining a controlled floor footprint. The five-drawer version provides up to 160 mm part height; the ten-drawer High Cube increases autonomy with up to 110 mm part height.

Footprint	920 x 1220 mm
Drawer area	780 x 620 mm
Drawer load	90 kg
Pull force	20 N

Compact-XL	5 drawers | H 1050 / 1165 mm
High Cube	10 drawers | H 1300 / 1465 mm
Max. part height	160 mm / 110 mm
Weight range	505-675 kg
Locking	Mechlock or Airlock
Robot mount	Separate pedestal

TWO LARGE-TRAY CAPACITY LEVELS

5-drawer Compact-XL

505 / 520 kg
160 mm max. part height

10-drawer High Cube

660 / 675 kg
110 mm max. part height

Per drawer examples: 56 square parts at 80 x 80 mm or 72 parts with 72 mm teardrop geometry.

Order the robot pedestal and the robot-specific adapter plate separately. Select the plate in the EasyRobotics website configurator.

Combined Compact Robot - integrated robot mounting

Parts storage, robot mounting and controller protection in one anchored cell.

COMBINED CONFIGURATION

The combined configuration mounts the robot directly on the Compact. It reduces external hardware and provides a defined 0° or 45° robot position, an integrated controller compartment and configurable locking.

Robot mount	0° or 45°
Controller space	550 x 400 x 470 mm
Drawer options	3 x 60 kg / 4 x 120 kg
Footprint	920 x 770 mm

60 kg family	PFC-3010-03 / PFC-3011-03
120 kg family	PFC-3100-04 / PFC-3101-04
Locking	Mechlock or Airlock
Teach pendant	Adjustable bracket
Industrial robots	Engineering validation required
Floor anchoring	Required

ROBOT INTERFACE ARCHITECTURE

01 **Robot arm** › 02 **Robot-specific adapter plate** › 03 **0° / 45° robot mount** › 04 **Anchored Compact cell**

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

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

Configure the cell around the process

Standard accessories, published options and project-specific robot integration.

1 Wheels

For controlled relocation before the cell is positioned and secured.

2 Floor Dock

Defined parking or repeatable positioning for mobile configurations.

3 Safety scanner cover

Mechanical protection for a project-selected safety scanner.

4 Operator-side hinge door

Alternative access arrangement for loading and service.

5 Custom tray / fixture

Part-specific pockets, nests, grids and clamping concepts.

6 Robot pedestal

EasyPedestal or another validated stand for Compact and Compact-XL.

7 Robot adapter plate

Mandatory robot-specific interface unless included in the quotation.

8 Custom robot interface

Engineered mounting for robots not covered by a standard plate.

9 Airlock I/O integration

Digital control and status logic for pneumatic drawer locking.

CONFIGURATION COMPARISON

Feature	Compact	Compact-XL	Compact Robot
Robot mount	Separate pedestal	Separate pedestal	Integrated 0° / 45°
Drawer work area	350 x 550 mm	780 x 620 mm	350 x 550 mm
Capacity families	3/6 x 60; 5/10 x 120 kg	5/10 x 90 kg	3 x 60; 4 x 120 kg
Controller space	In pedestal / project system	In pedestal / project system	550 x 400 x 470 mm
Robot compatibility	99% cobots; many industrial robots*	99% cobots; many industrial robots*	99% cobots; many industrial robots*

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

Install for stability. Validate the complete robot cell.

Installation must be performed by trained personnel and followed by a project-specific risk assessment.

1 Verify floor and layout

Confirm floor capacity, access, machine clearances and robot reach before positioning.

2 Level and anchor

Adjust the feet and use floor-suitable anchors at all required fixing points.

3 Select pedestal and adapter

Compact and Compact-XL use a separate robot pedestal. Compact Robot uses an integrated mount. In every case, select the exact robot adapter plate.

4 Connect air and I/O

Airlock variants require max. 8 bar dry air and the defined digital interface.

5 Load and release safely

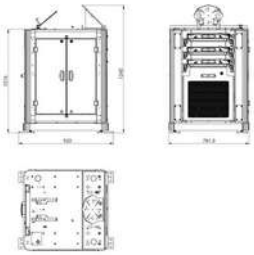
Observe the drawer release procedure and never extend more than one drawer per side.

6 Validate the complete cell

Perform safeguarding, stopping, restart, risk and conformity validation before production.

FLOOR ANCHORING

COMPACT-XL / HIGH CUBE



ROBOT INTERFACE

ROUTINE CHECKS

Inspect anchors, drawer locks, slides, robot fasteners, adapter plate, cables, doors 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 order references for Compact, Compact-XL/High Cube and Compact Robot.

FEEDER PLATFORM

Order no.	Configuration	Key data
PFC-1010-03	3 x 60 kg drawers - Mechlock	H: 1050 mm, W: 770, L: 920, Wt: 270 kg, part 240 mm
PFC-1011-03	3 x 60 kg drawers - Airlock	H: 1165 mm, W: 770, L: 920, Wt: 285 kg, part 240 mm
PFC-1010-06	6 x 60 kg drawers - Mechlock	H: 1050 mm, W: 770, L: 920, Wt: 315 kg, part 120 mm
PFC-1011-06	6 x 60 kg drawers - Airlock	H: 1165 mm, W: 770, L: 920, Wt: 330 kg, part 120 mm
PFC-1100-05	5 x 120 kg drawers - Mechlock	H: 1050 mm, W: 770, L: 920, Wt: 350 kg, part 160 mm
PFC-1101-05	5 x 120 kg drawers - Airlock	H: 1165 mm, W: 770, L: 920, Wt: 365 kg, part 160 mm
PFC-1100-10	10 x 120 kg drawers - Mechlock	H: 1050 mm, W: 770, L: 920, Wt: 480 kg, part 80 mm
PFC-1101-10	10 x 120 kg drawers - Airlock	H: 1165 mm, W: 770, L: 920, Wt: 495 kg, part 80 mm

COMPACT-XL / HIGH CUBE

Order no.	Configuration	Key data
PFC-2100-05	Compact-XL, 5 x 90 kg drawers - Mechlock	H: 1050 mm, W: 1220, L: 920, Wt: 505 kg, part 160 mm
PFC-2101-05	Compact-XL, 5 x 90 kg drawers - Airlock	H: 1165 mm, W: 1220, L: 920, Wt: 520 kg, part 160 mm
PFC-4100-10	High Cube, 10 x 90 kg drawers - Mechlock	H: 1050 mm, W: 1220, L: 920, Wt: 505 kg, part 110 mm
PFC-4101-10	High Cube, 10 x 90 kg drawers - Airlock	H: 1165 mm, W: 1220, L: 920, Wt: 520 kg, part 110 mm

COMBINED COMPACT ROBOT

Order no.	Configuration	Key data
PFC-3010-03	Compact Robot, 3 x 60 kg drawers - Mechlock	H: 1050 mm, W: 770, L: 920, Wt: 345 kg, part 120 mm | robot 0°/45°
PFC-3011-03	Compact Robot, 3 x 60 kg drawers - Airlock	H: 1165 mm, W: 770, L: 920, Wt: 365 kg, part 120 mm | robot 0°/45°
PFC-3100-04	Compact Robot, 4 x 120 kg drawers - Mechlock	H: 1050 mm, W: 770, L: 920, Wt: 405 kg, part 80 mm | robot 0°/45°
PFC-3101-04	Compact Robot, 4 x 120 kg drawers - Airlock	H 1H: 1165 mm, W: 770, L: 920, Wt: 425 kg, part 80 mm | robot 0°/45°

Options / project items	Wheels | Floor Dock | Safety Scanner Cover | operator-side hinge door | custom tray / fixture | robot pedestal | robot adapter plate | custom industrial-robot interface

IMPORTANT - ORDER THE ROBOT ADAPTER PLATE

Select and order the exact robot adapter plate in the EasyRobotics configurator. Custom plates are available.

OPEN WEBSITE / CONFIGURATOR

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

Specifications, illustrations, dimensions, weights, capacities, orderreferencesandavailability may bechangedwithoutnotice.Errorsandomissionsexcepted.Finalrobotcompatibility and complete-cell conformity must be verified for the specific project. The order confirmation and approved drawings take precedence.