

ProFeeder X Series

ProFeeder X and ProFeeder X-XL-integrated robot-feeding platforms

High capacity. Integrated robot mounting. Built for industrial uptime.

A family of floor-anchored drawer feeders for CNC machinetending and automated part handling. ProFeeder X combines a controlled footprint with 60 or 120 kg drawers. ProFeeder X-XL adds 780 x 620 mm trays with a 90 kg rated load. Both platforms integrate the robot mount, controller compartment and teach-pendant bracket.



PROFEEDER X

3/6 x 60 kg or 5/10 x 120 kg | 920 x 980 mm footprint



PROFEEDER X-XL

2/5/10 x 90 kg | 920 x 1420 mm footprint



COMBINED X CONFIGURATION

Robot + adapter + controller + feeder on one anchored platform

Compatible with 99% of modern cobots

Suitable for many industrial robots*

Custom robot interface available

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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. Unless explicitly included in the quotation, the adapter plate is a separate order item.

*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 drawer systems and integrated robot mounting.



HIGH-MASS FLOOR-ANCHORED X PLATFORMS

1

High static mass

Published configurations range from 320 to 780 kg, supporting a stable, low-vibration automation platform.

2

Rated drawer load

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

3

Floor anchoring required

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

4

Published tray stiffness

Product data specifies no more than 2.5 mm deflection at the rated drawer load.

5

Integrated robot architecture

A defined 0° or 45° robot position, protected controller space and teach-pendant bracket are built into the platform.

6

Airlock integration

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



MECHLOCK OR AIRLOCK

LOAD PATH & CELL ARCHITECTURE

01

Parts and fixtures



02

Rated drawer



03

Locking system



04

Rigid anchored robot platform

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

ProFeeder X - integrated feeder platform

Up to ten drawers in a 920 x 980 mm floor footprint.



INTEGRATED ROBOT MOUNT

ProFeeder X combines parts storage, robot mounting and controller protection in one anchored unit. Choose 60 kg drawers for taller parts and flexible small series, or 120 kg drawers for heavier components and extended unattended production.

Footprint

920 x 980 mm

Height

1050 mm

Drawer load

60 / 120 kg

Pull force

15 N

Drawer area	350 x 550 mm
Configurations	3, 5, 6 or 10 drawers
Max. part height	240 / 160 / 120 / 80 mm
Controller space	600 x 280 x 450 mm
Locking	Mechlock or Airlock
Robot mount	0° or 45°

TWO DRAWER-LOAD FAMILIES

60 kg drawer family

3 drawers: 320 / 335 kg, 240 mm parts
6 drawers: 365 / 380 kg, 120 mm parts

120 kg drawer family

5 drawers: 415 / 430 kg, 160 mm parts
10 drawers: 535 / 550 kg, 80 mm parts

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

Remember to select and order the robot-specific adapter plate separately in the EasyRobotics website configurator.

ProFeeder X-XL - extended capacity

A 500 mm wider frame with large 780 x 620 mm drawers.



INTEGRATED ROBOT MOUNT

ProFeeder X-XL retains the integrated robot architecture while increasing useful tray area. The 2-drawer configuration handles parts up to 320 mm high, the 5-drawer configuration up to 160 mm, and the 10-drawer configuration maximizes autonomy for parts up to 80 mm.

Footprint

920 x 1420 mm

Drawer area

780 x 620 mm

Drawer load

90 kg

Pull force

20 N

2 drawers	535 / 550 kg part 320 mm
5 drawers	685 / 700 kg part 160 mm
10 drawers	725 / 780 kg part 80 mm
Controller space	600 x 280 x 450 mm
Locking	Mechlock or Airlock
Robot mount	0° or 45°

THREE LARGE-TRAY CAPACITY LEVELS



2- and 5-drawer X-XL

535-700 kg product weight 320
/ 160 mm max. part height



10-drawer X-XL

725 / 780 kg product weight
80 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-specific adapter plate separately. Select the exact robot brand and model in the EasyRobotics website configurator.

Combined X configuration - robot, feeder and controller in one cell

Integration principles from the combined installation manual, applied only to the X series.



INTEGRATED X ARCHITECTURE

On the X series, the combined architecture is inherent in the platform: the robot, adapter plate, controller compartment, drawer system and locking method are integrated into one anchored production cell. It is not a separate order family; select the required PFX variant and the matching robot adapter plate.

Robot mount

0° or 45°

Controller space

600 x 280 x 450 mm

Adapter plate

Separate order item

Floor anchoring

Required

Teach pendant	Adjustable bracket
Cable routing	Protected internal path
Mechlock	Mechanical drawer release
Airlock	Max. 8 bar dry air + I/O
Industrial robots	Engineering validation required
Order reference	Selected PFX platform

ROBOT INTERFACE ARCHITECTURE

01 Robot arm



02 Robot-specific adapter plate



03 0° / 45° robot mount



04 Anchored X or X-XL cell

The adapter plate must match the exact robot bolt pattern. Use the website configurator; if no standard plate fits, request a customized interface.

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

Configure the X cell around the process

Published locking choices, accessories and project-specific robot integration.

1 Mechlock Mechanical drawer locking without compressed air or electrical control.	2 Airlock Pneumatic locking with max. 8 bar dry air and digital I/O interface.	3 Wheels For controlled relocation before the cell is positioned and secured.
4 Floor Dock Defined parking or repeatable positioning for selected mobile layouts.	5 Safety scanner cover Mechanical protection for a project-selected safety scanner.	6 Operator-side hinge door Alternative access arrangement for loading, setup and service.
7 Custom tray / fixture Part-specific pockets, nests, grids and clamping concepts.	8 Robot adapter plate Mandatory robot-specific interface unless explicitly included in the quotation.	9 Industrial-robot integration Engineered mounting and safeguarding for validated industrial robots.

X SERIES CONFIGURATION COMPARISON

Feature	ProFeeder X	ProFeeder X-XL	Combined X architecture
Robot mount	Integrated 0° / 45°	Integrated 0° / 45°	Robot + adapter + controller on one base
Drawer work area	350 x 550 mm	780 x 620 mm	Selected PFX platform
Capacity families	3/6 x 60; 5/10 x 120 kg	2/5/10 x 90 kg	Selected PFX variant
Controller space	600 x 280 x 450 mm	600 x 280 x 450 mm	Integrated
Locking	Mechlock / Airlock	Mechlock / Airlock	Matches platform order
Robot compatibility	99% cobots; many industrial robots*	99% cobots; many industrial robots*	Project-specific validation

*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 load, access, machine clearances, robot reach and drawer extension zones before positioning.

2 Level and anchor

Align the cell and secure all designated anchoring points with fasteners suitable for the floor and application.

3 Select adapter and robot angle

Order the exact adapter plate, mount the robot according to its manual and confirm the chosen 0° or 45° orientation.

4 Install controller and cables

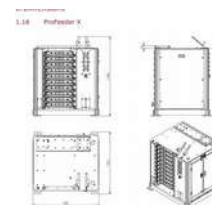
Place the controller in the protected compartment and route cables without squeezing, abrasion or collision risk.

5 Connect the locking system

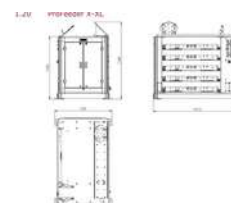
For Airlock, connect max. 8 bar dry air and the defined I/O. For Mechlock, validate the mechanical release procedure.

6 Validate the complete cell

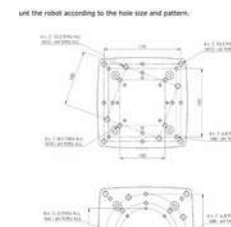
Verify safeguarding, stopping, restart prevention, risk reduction and conformity before production release.



FLOOR-ANCHORED X CELL



X-XL DIMENSIONS



ROBOT MOUNTING PATTERN

ROUTINE CHECKS

Inspect anchors, drawer locks, slides, robot fasteners, adapter plate, cables, doors and options at suitable intervals.

INTEGRATOR RESPONSIBILITY

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

Ordering overview

Published order references for ProFeederX and ProFeeder X-XL. The combined architecture uses the selected PFX reference.

PROFEEDER X

Order no.	Configuration	Key data
PFX-1010-03	X, 3 x 60 kg drawers - Mechlock	H: 1050 mm, W: 980, L: 920, Wt: 320 kg
PFX-1011-03	X, 3 x 60 kg drawers - Airlock	H: 1050 mm, W: 980, L: 920, Wt: 335 kg
PFX-1010-06	X, 6 x 60 kg drawers - Mechlock	H: 1050 mm, W: 980, L: 920, Wt: 365 kg
PFX-1011-06	X, 6 x 60 kg drawers - Airlock	H: 1050 mm, W: 980, L: 920, Wt: 380 kg
PFX-1100-05	X, 5 x 120 kg drawers - Mechlock	H: 1050 mm, W: 980, L: 920, Wt: 415 kg
PFX-1101-05	X, 5 x 120 kg drawers - Airlock	H: 1050 mm, W: 980, L: 920, Wt: 430 kg
PFX-1100-10	X, 10 x 120 kg drawers - Mechlock	H: 1050 mm, W: 980, L: 920, Wt: 535 kg
PFX-1101-10	X, 10 x 120 kg drawers - Airlock	H: 1050 mm, W: 980, L: 920, Wt: 550 kg

PROFEEDER X-XL

Order no.	Configuration	Key data
PFX-2100-02	X-XL, 2 x 90 kg drawers - Mechlock	H: 1050 mm, W: 1420, L: 920, Wt: 535 kg, part 320 mm
PFX-2101-02	X-XL, 2 x 90 kg drawers - Airlock	H: 1050 mm, W: 1420, L: 920, Wt: 550 kg, part 320 mm
PFX-2100-05	X-XL, 5 x 90 kg drawers - Mechlock	H: 1050 mm, W: 1420, L: 920, Wt: 685 kg, part 160 mm
PFX-2101-05	X-XL, 5 x 90 kg drawers - Airlock	H: 1050 mm, W: 1420, L: 920, Wt: 700 kg, part 160 mm
PFX-2100-10	X-XL, 10 x 90 kg drawers - Mechlock	H: 1050 mm, W: 1420, L: 920, Wt: 725 kg, part 80 mm
PFX-2101-10	X-XL, 10 x 90 kg drawers - Airlock	H H: 1050 mm, W: 1420, L: 920, Wt: 780 kg, part 80 mm

COMBINED X CONFIGURATION

No separate order number: selected PFX variant plus the robot-specific adapter plate.

Options / project items

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



IMPORTANT - ORDER THE ROBOT ADAPTER PLATE

Select and order the exact robot adapter plate in the EasyRobotics website configurator. Custom plates are available when no standard interface fits.



OPEN WEBSITE / CONFIGURATOR

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

Specifications, illustrations, dimensions, weights, capacities, order references and availability may be changed without notice. Errors and omissions excepted. Final robot compatibility and complete-cell conformity must be verified for the specific project. The order confirmation and approved drawings take precedence.