ProFeeder Compact-XL High Cube

High-capacity drawer feeder for CNC machine tending and automated part supply

Ten large drawers. Extended vertical capacity. Built for industrial uptime.

A floor-anchored, high-mass feeder platform for long unattended production runs. Ten 780 x 620 mm drawers each carry up to 90 kg. Choose MechLock for mechanical simplicity or AirLock for pneumatic sequence control. A separate robot pedestal creates the Combined High Cube configuration.

HIGH CUBE - MECHLOCK

PFC-4100-10 | 10 x 90 kg drawers | 660 kg

HIGH CUBE - AIRLOCK

PFC-4101-10 | max. 8 bar dry air + I/O | 675 kg

COMBINED HIGH CUBE

Feeder + separate robot pedestal + adapter plate + controller

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 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, moment, reach and interface verification.*

Robust by design. Built for repeatable production.

High static mass, floor anchoring, rated 90 kg full-extension drawers and reinforced High Cube architecture.

HIGH-MASS FLOOR-ANCHORED HIGH CUBE PLATFORM

MECHLOCK OR AIRLOCK

1 High static mass

Published variants weigh 660 to 675 kg, supporting a stable, low-vibration production platform.

2 90 kg per drawer

The large drawers are rated for 90 kg including component, tray insert and fixture.

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 90 kg drawer load.

5 High Cube storage architecture

Ten drawers and 110 mm maximum workpiece height support extended autonomy without increasing the footprint.

6 Protected drawer mechanisms

Slides, locks and service components remain organized within the rigid enclosure.

LOAD PATH & CELL ARCHITECTURE

01 Parts and fixture › 02 90 kg rated drawer › 03 MechLock or AirLock › 04 Rigid anchored High Cube frame

Operating rule: do not extend more than one drawer at a time.

High Cube capacity - ten large drawers in a controlled footprint

780 x 620 mm drawer area, 90 kg rated load and 110 mm maximum workpiece height.

HIGH CUBE FEEDER PLATFORM

High Cube provides increased vertical storage while retaining a controlled floor footprint. Ten large drawers support long unattended cycles, and part-specific tray inserts can be configured for the production mix. The feeder is available with MechLock or AirLock and can be integrated with a separate robot pedestal.

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

Overall height	1300 / 1465 mm
Product weight	660 / 675 kg
Drawers	10
Max. part height	110 mm
Locking	MechLock / AirLock
Floor anchoring	Required

TWO STANDARD VARIANTS - ONE COMBINED CELL CONCEPT

MECHLOCK

PFC-4100-10 660 kg | H 1300 mm

AIRLOCK

PFC-4101-10 675 kg | H 1465 mm

COMBINED

Separate pedestal + exact robot adapter plate

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.

Choose the locking system for the application

The same High Cube capacity with either mechanical simplicity or pneumatic sequence control.

MECHLOCK

Mechanical drawer locking without compressed air or electrical control. A direct, robust choice for applications where manual release is sufficient.

AIRLOCK

Pneumatic drawer locking with max. 8 bar dry air and a digital I/O switch interface. The lock can be integrated into the robot sequence.

LOCKING SYSTEM & ORDER DATA

Parameter	MECHLOCK	AIRLOCK	Shared High Cube data
Order number	PFC-4100-10	PFC-4101-10	10 x 90 kg drawers
Product weight	660 kg	675 kg	780 x 620 mm drawer area
Supply / interface	None	Max. 8 bar dry air + I/O	20 N pull force | floor anchor required

OPERATING PRINCIPLE

Release the selected drawer, extend it fully for loading or robot access, then re-engage the lock before the production cycle. For Airlock, the pneumatic cylinder and I/O status must be included in the validated control logic.

Never extend more than one drawer at a time. Observe pinch zones and keep the robot stopped during manual loading, setup and service.

Combined High Cube configuration - feeder and robot pedestal engineered as one cell

The HighCube feeder has no integrated robotmount ; the Combined configuration adds a separate EasyRobotics pedestal and the exact robot adapter plate.

SEPARATE PEDESTAL ARCHITECTURE

Select either High Cube feeder, then add the robot pedestal, adapter plate, controller solution, cable routing, safeguarding and part fixture. Combined High Cube has no separate standard order number; it is specified as a project configuration.

Robot support
Separate pedestal / engineered console

Controller solution
Selected pedestal or controller cabinet

Adapter plate
Separate order item

Floor anchoring
Required

Teach pendant	Robot-specific bracket
Cable routing	Protected / project-specific
MechLock	PFC-4100-10
AirLock	PFC-4101-10
Industrial robots	Engineering validation required
Order basis	Selected PFC variant + project items

COMBINED HIGH CUBE ARCHITECTURE

01 **Robot arm** › 02 **Exact adapter plate** › 03 **Separate pedestal / controller** › 04 **Anchored High Cube feeder**

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 High Cube cell around the process

Published accessories, robot-specific interfaces and engineered project options.

1 Wheels

For controlled relocation before the cell is positioned and secured.

2 Floor Dock

Defined parking or repeatable positioning for selected mobile layouts.

3 Safety scanner cover

Mechanical protection for a project-selected safety scanner.

4 Operator-side hinge door

Alternative access arrangement for loading, setup and service.

5 Custom tray / fixture

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

6 Robot adapter plate

Mandatory robot-specific interface unless explicitly included in the quotation.

7 Industrial-robot integration

Engineered mounting and safe guarding for validated industrial robots.

8 Cable and controller adaptation

Project-specific routing, ventilation and access.

9 Custom safety concept

Project-specific guarding, interlocks and safety architecture.

ROBOT & CELL COMPATIBILITY

Area	Standard High Cube capability	Project verification
Cobots	Compatible with 99% of modern cobots	Select exact adapter plate
Industrial robots	Suitable for many industrial robots*	Validate mass, base moment, dynamics and mounting
Robot mounting	Separate pedestal or engineered robot console	Confirm reach, collision envelope and anchor loads
Controller	Selected pedestal or controller cabinet	Confirm size, ventilation and cable lengths
Safeguarding	Scanner cover and access options available	Risk assessment defines the final solution

**Industrial-robot suitability is subject topayload,basemoment,reach,mountinginterface,anchoring and safeguardingverification.*

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 the feeder

Align the High Cube platform and secure all designated anchoring points with fasteners suitable for the floor and application.

3 Select pedestal, adapter and robot position

Order the exact adapter plate, choose the robot pedestal or engineered console and mount the robot according to its manual.

4 Install controller and cables

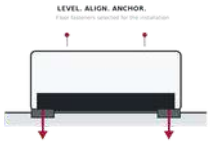
Place the controller in the selected pedestal or cabinet and route cables without squeezing, abrasion or collision risk.

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.

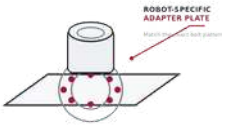
6 Validate the complete cell

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



FLOOR-ANCHORED HIGH CUBE

HIGH CUBE DIMENSIONS



ROBOT-SPECIFIC ADAPTER PLATE

ROUTINE CHECKS

Inspect anchors, drawer locks, slides, pedestal and 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

Two published High Cube variants plus the required robot adapter and project-specific integration items.

HIGH CUBE VARIANTS & PROJECT ITEMS

Order number	Configuration	Key data
PFC-4100-10	High Cube, 10 x 90 kg drawers - MechLock	H: 1300 mm, W: 1220, L: 920, Wt: 660 kg, part 110 mm
PFC-4101-10	High Cube, 10 x 90 kg drawers - AirLock	H: 1465 mm, W: 1220, L: 920, Wt: 675 kg, part 110 mm
Configurator item	Robot-specific adapter plate	Select exact robot brand and model
Quote / configurator	Combined High Cube configuration	Feeder + pedestal + adapter + controller
Quote / configurator	Custom tray / fixture	Part-specific nests, pockets or deeper trays
Quote / configurator	Published options	Wheels | Floor Dock | scanner cover | hinge door

COMBINED HIGH CUBE CONFIGURATION

No separate standard order number: select PFC-4100-10 or PFC-4101-10 and add the pedestal, adapter plate, controller and integration items.

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

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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.

OPEN WEBSITE / CONFIGURATOR

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