

FPC (Flexible Pallet Container)

FPC – a cost-effective investment

The FPC provides machine suppliers with a complete FMS installed in a 'container' and designed for a specific machine tool type. Each FPC contains all the equipment required for an automated pallet storage and handling system.

This Fastems innovation provides an advanced and cost-effective alternative to conventional pallet systems, turning your machining centre into a small automated FM system.

A wide variety of advanced features:

- Compact and safe design
- Extendable up to a two-machine system immediately or in the future
- High storage capacity due to two level storage (except FPC3200)
- Ergonomical loading stations
- Pre-assembled and tested FMS system
- Short installation and start-up time
- Easy to transport to the site as one unit
- Easy to move during factory layout changes
- Advanced FPC Cell Controller for unmanned operations

An intelligent investment

The FPC allows machine suppliers to sell expandable solutions in accordance with customer plant requirements. The FPC system can be composed of anything from one to two containers, one to two loading stations and one to two machine tool interfaces. Moreover the system is easy to expand with additional pallets, machine tools and new container units to better meet future challenges.

Compared to conventional pallet systems, the FPC is an economical way to add more production capacity. FPC provides machine tool manufacturers with an excellent opportunity to sell expandable solutions with low investment costs. For instance, FPC is the optimum choice for component manufacturers with diverse or large production series and changing needs.

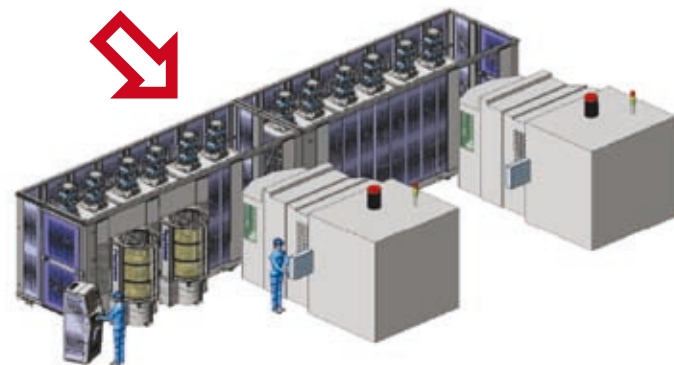
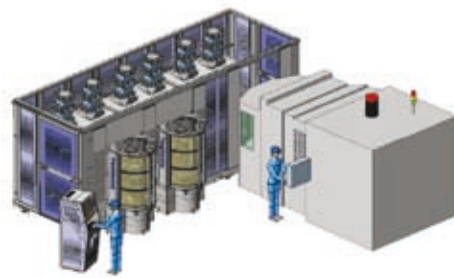
The FPC product is an OEM product and is sold through our partners the machine tool builder and machine tool suppliers. For detailed information and quotations please contact your machine supplier.

Established modifications at new FPC version 4.0:

- Number of storage places in each container system increased
- New design of loading station offering the user a more ergonomical environment
- Increased swing diameters in FPC 1000 & FPC1500
- Flexible range for the connection of machine tools to the container system
- Modified and improved cell control based on FMS technology

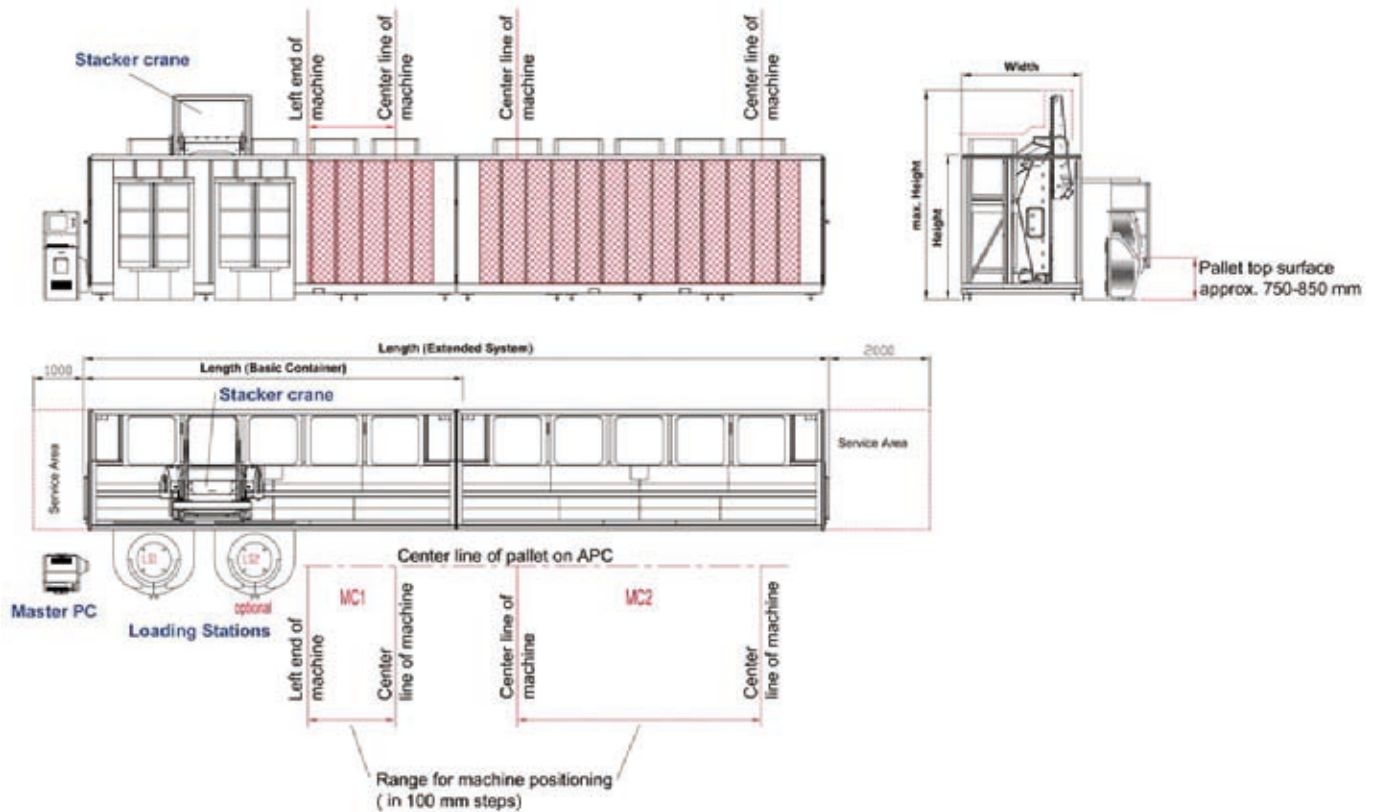


Ergonomical loading station ensures easy access to the pallet centre



Extendable from one to two containers

General FPC layout



Technical data

	FPC – 750	FPC – 1000	FPC – 1500	FPC – 3200
--	-----------	------------	------------	------------

Pallet dimensions				
Pallet	400 x 400 or 500 x 500	500 x 500 or 630 x 630	630 x 630 or 630 x 800	800 x 800 1.000 x 1.000
Load X ⁽¹⁾	750 mm	950 mm	1.050 mm	1.350 mm
Load Z ⁽¹⁾	750 mm	950 mm	1.000 mm	1.350 mm
Load H ⁽²⁾	900 mm	1.100 mm	1.200 mm	1.500 mm
Load rot. diam.	800 mm	1.250 mm	1.250 mm	1.500 mm
Load weight ⁽²⁾	750 kg	1.000 kg	1.500 kg	3.200 kg
Storage capacity by container unit	12	10	10	4

Overall dimensions				
Length (Basic container)	7.200 mm	7.530 mm	9.240 mm	6.200 mm
Length (Extended System)	14.080 mm	14.800 mm	18.220 mm	12.200 mm
Width	2.250 mm	2.380 mm	2.380 mm	2.390 mm
Height	2.800 mm	2.800 mm	2.800 mm	2.800 mm
Max. Height	3.850 mm ⁽³⁾	4.050 mm ⁽³⁾	4.150 mm ⁽³⁾	2.950 mm

Range for positioning the machines				
Basic Container	2.500 mm	1.750 mm	3.100 mm	fixed
Extension Container	4.700 mm	4.850 mm	6.400 mm	fixed

- (1) Pallet handling solution could limit the load dimensions
- (2) Including machine pallet
- (3) Height in the area of the stacker crane