

# FPC

## Flexible Pallet Container



**Fastems**  
FACTORY AUTOMATION

# 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



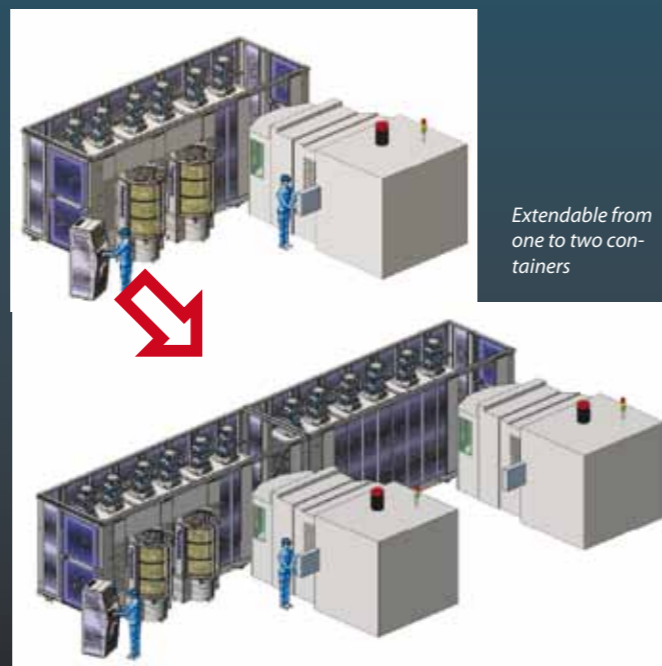
Ergonomical loading station ensures easy access to the pallet centre

## An intelligent investment

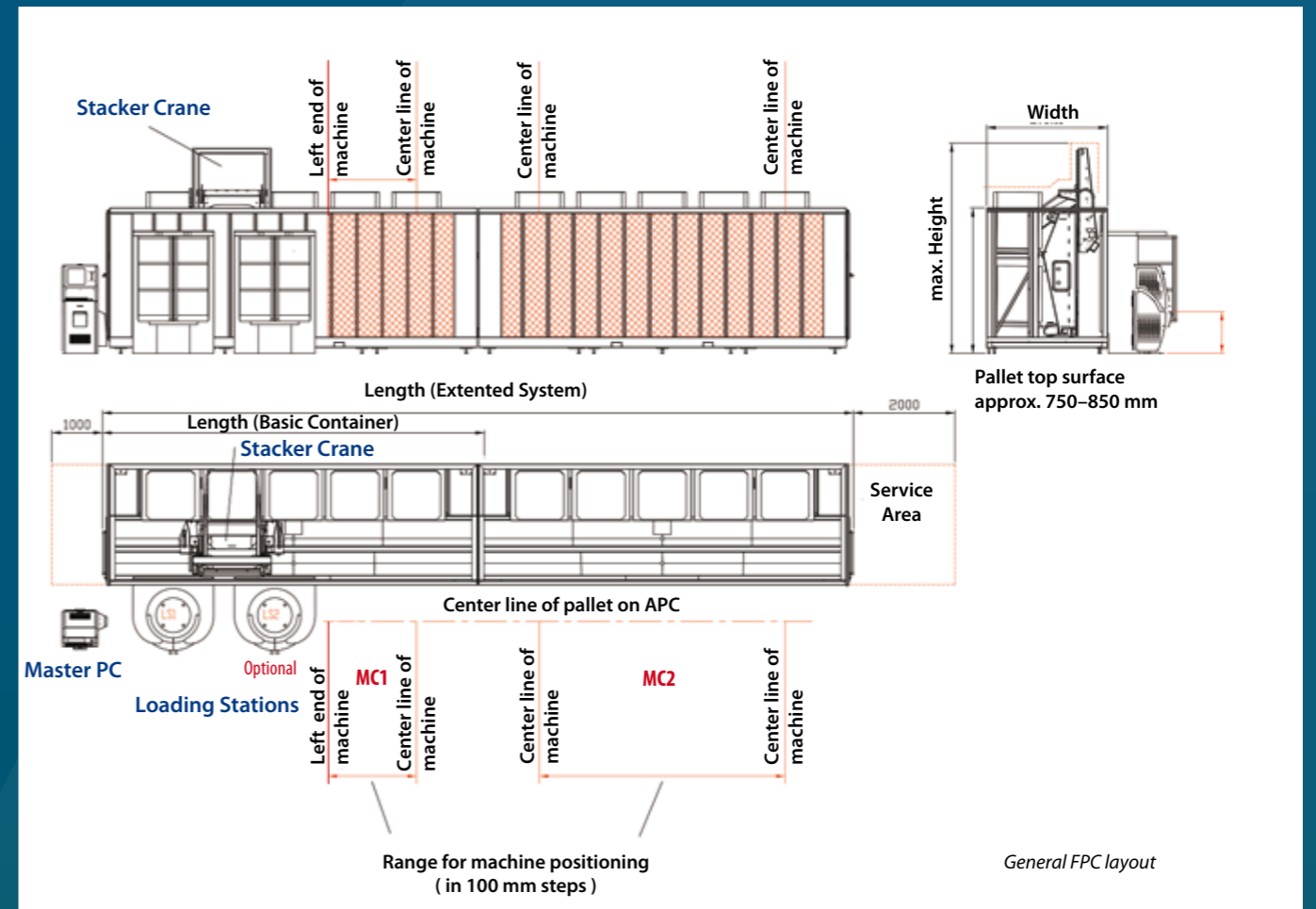
The FPC allows machine suppliers to sell expandable solutions in accordance with customer plant requirements. The FPC system can be composed of anything from one to two containers, one to two loading stations and one to two machine tool interfaces. Moreover the system is easy to expand with additional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



Extendable from one to two containers



## Technical data

	FPC – 750	FPC – 1000	FPC – 1500	FPC – 3200
<b>Pallet dimensions</b>				
Nominal pallet size	400 x 400 or 500 x 500	500 x 500 or 630 x 630	630 x 630 or 630 x 800	800 x 800 or 1000 x 1000
Load X (1)	750 mm	950 mm	1050 mm	1350 mm
Load Z (1)	750 mm	950 mm	1000 mm	1350 mm
Load H (2)	900 mm	1100 mm	1200 mm	1500 mm
Load rot. diam.	800 mm	1250 mm	1250 mm	1500 mm
Load weight (2)	750 kg	1000 kg	1500 kg	3200 kg (4)
Storage capacity by container unit	12	10	10	4

## Overall dimensions

	FPC – 750	FPC – 1000	FPC – 1500	FPC – 3200
Length (Basic container)	7200 mm	7530 mm	9240 mm	6200 mm
Length (Extended System)	14080 mm	14800 mm	18220 mm	12200 mm
Width	2250 mm	2380 mm	2380 mm	2390 mm
Height	2800 mm	2800 mm	2800 mm	2800 mm
Max. Height	3850 mm (3)	4050 mm (3)	4150 mm (3)	2950 mm

## Range for positioning the machines

	FPC – 750	FPC – 1000	FPC – 1500	FPC – 3200
Basic Container	2500 mm	1750 mm	3100 mm	fixed
Extension Container	4700 mm	4850 mm	6400 mm	fixed

- (1) Pallet handling solution could limit the load dimensions
- (2) Including machine pallet
- (3) Height in the area of the stacker crane
- (4) Load handling needs to be performed from below the pallet. Otherwise the total load weight (incl. pallet) is less than 3200 kg

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