

Manufacturing made easier.

Flexible Manufacturing System FMS ONE

Unleash your hidden potential at once.

FMS ONE is a modular pallet automation system that integrates different machine tools and material management together.

5 x ONE benefits.

1 Timely and efficient production

- Let the intelligent Manufacturing Management Software (MMS) take care of your production planning, scheduling and forecasting based on the latest data in your ERP and maximizing your resources in production.

2 24/7 operation without compromising the resting time

- With FMS ONE 24/7 operation is possible without compromising the resting time of your employees. MMS control makes sure that production rate remains high at all times.

3 Solution that adapts to your changing production needs

- FMS ONE can be extended later to adapt to changes in your production demands.

4 Turn your production phases one by one to an integrated process: different machine tools and material management in one system

- Make your automated process chains longer by integrating many types of machine tools and/or pallets and your material logistics flow into the same system for maximised spindle utilization and automatic just-in-time deliveries.

5 Compact fit on your shopfloor with spacious storage

- Up to four levels pallet storage maximizes the floorspace utilization.

FMS ONE for you.

- Automate 1-10 machine tools
- Up to 2 different machine / pallet types
- Pallet size between 400 mm and 1,250 mm
- Possible to integrate material management

Stacker crane

- Transports pallets within the system
- Decreases factory floor forklift traffic

2-4 level storage

- Storage for machining and material pallets
- High pallet capacity – long unmanned periods

Machining center

- Compatible with over 60 machine tool brands

Automatic coolant handling

- Keep factory floor clean

Operator working area

- Part and fixture set-ups
- Ergonomic and safe operator environment

Station Commander with Control Cabinet or Touch OP

- MMS control software – the brain of FMS
- Just-in-time production control
- Controls all machines integrated to the FMS

Do you want more?

If you want to integrate additional processes or your pallet size is outside the scale, our other FMS solutions work better for you! Please contact your sales representative for further information.

Choose your system.

Technical data	ONE- LD-700	ONE- LD-1000	ONE-MDR-750	ONE-MDR-1100
Load weight incl. pallet (kg)	700	1,000	750	1,100
Nominal pallet size (mm)	500 x 500	630 x 630	400 x 400	500 x 500
Maximum load size (X x Z x H mm)	800 x 700 x 1,000	800 x 800 x 1,000	660 x 660 x 1,100	900 x 900 x 1,250
Load rotational diameter (D mm)	900	900	750	1,000
Material management	–	–	–	–
Material pallet size	–	–	–	–
Machining pallet storage	2-4 levels	2-4 levels	2-4 levels	2-4 levels
Loading station options	LSC	LSC	LSC, LSM	LCS, LSM

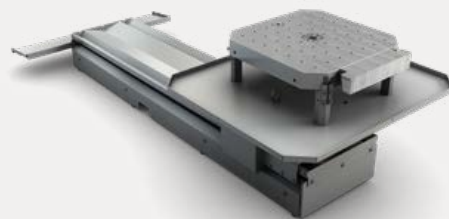
Loading & material stations.



LOADING STATION COMPACT LSC / LSF

Manually operated, indexable rotating pallet table.

Pallet sizes up to 630 x 630 mm.

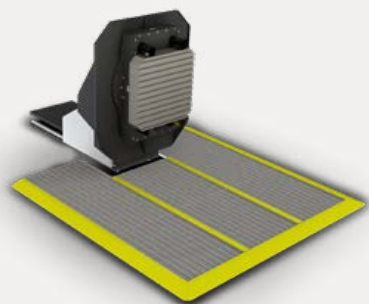
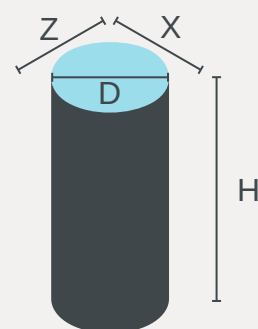


LOADING STATION MOVING LSM

Horizontal transfer movement and motorized rotating pallet table.

Typical pallets sizes starting from 500 x 500 mm.

ONE-MDR-1800	ONE-MD-1500	ONE-XMD-2500	ONE-XMD-3000	ONE-SCR-2000
1,800	1,500	2,500	3,000	2,000
630 x 630	630 x 630	800 x 800	1,000 x 1,000	630 x 630
1,125 x 1,125 x 1,800	1,000 x 1,000 x 1,250	1,600 x 1,400 x 1,400	1,800 x 1,800 x 1,800	Custom
1,250	1,100	1,600	1,800	–
–	Yes	Yes	Yes	–
–	800 x 1,200	800 x 1,200	800 x 1,200	–
2-4 levels	2-4 levels	2-4 levels	2-4 levels	2-4 levels
LSC, LSM, LST	LSF, LSM, LST	LSM, LST	LSM, LST	LSC, LSM



LOADING STATION TILTING LST

Horizontal transfer movement, tilting of the pallet, and indexable rotating pallet table.

Typical pallet sizes starting from 500 x 500 mm.



MATERIAL STATION CONVEYOR MSC

Two types: for one or two EUR pallets.



Choose your software.

MATERIALS	ORDERS
Material Pallets MMS-2000	Order Progress Estimate MMS-3000
Automatic Material Delivery MMS-2100	ERP Interface MMS-3010
<p>Additional software options and details are available upon request.</p>	

Manufacturing Management Software MMS

TRANSPARENT PROCESS CONTROL

MMS is the industry's most advanced production planning and execution software. The MMS is always one step ahead by automatically calculating the optimized production workflow and necessary resources based on orders. MMS adapts automatically to changes in the daily production schedule and displays information to maintain the production output.



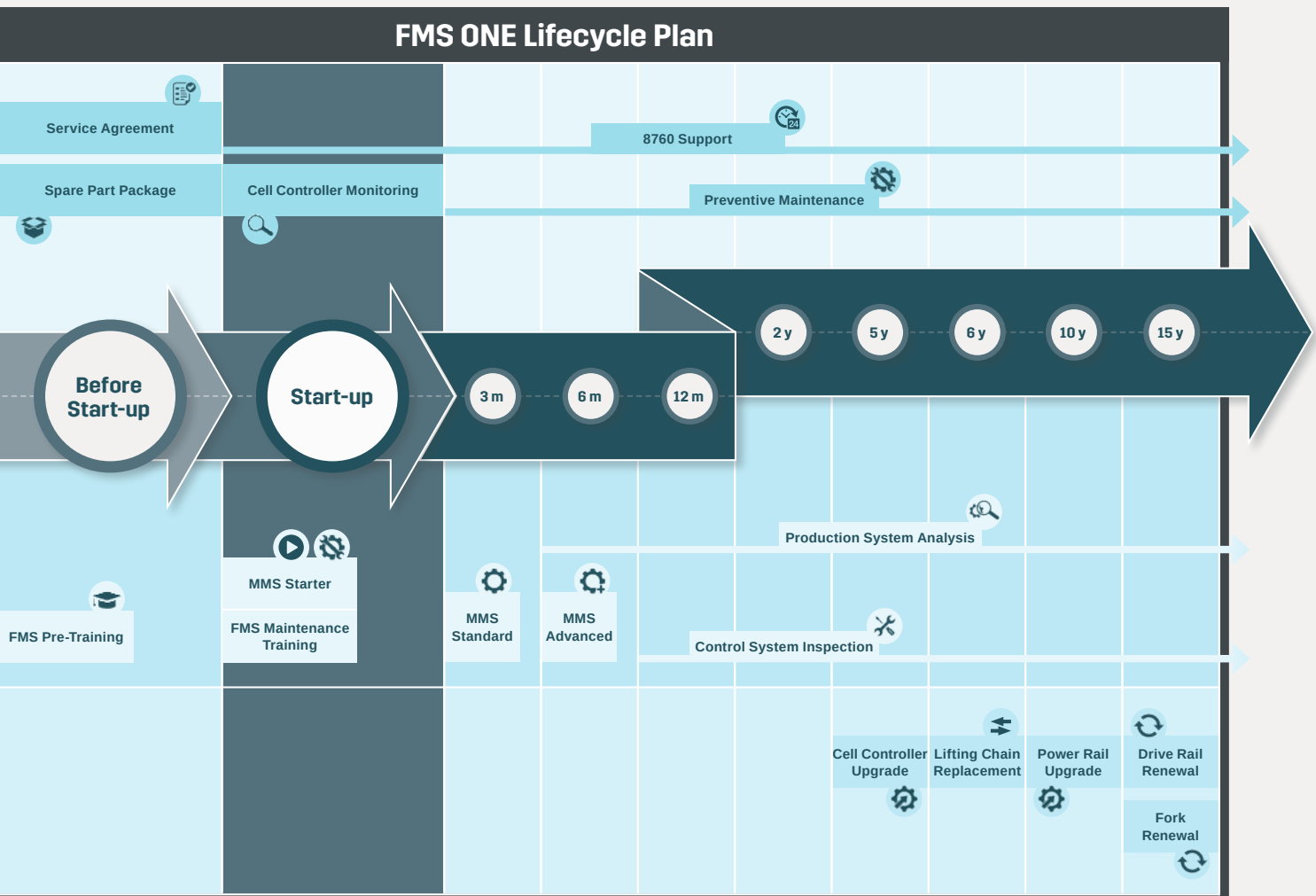
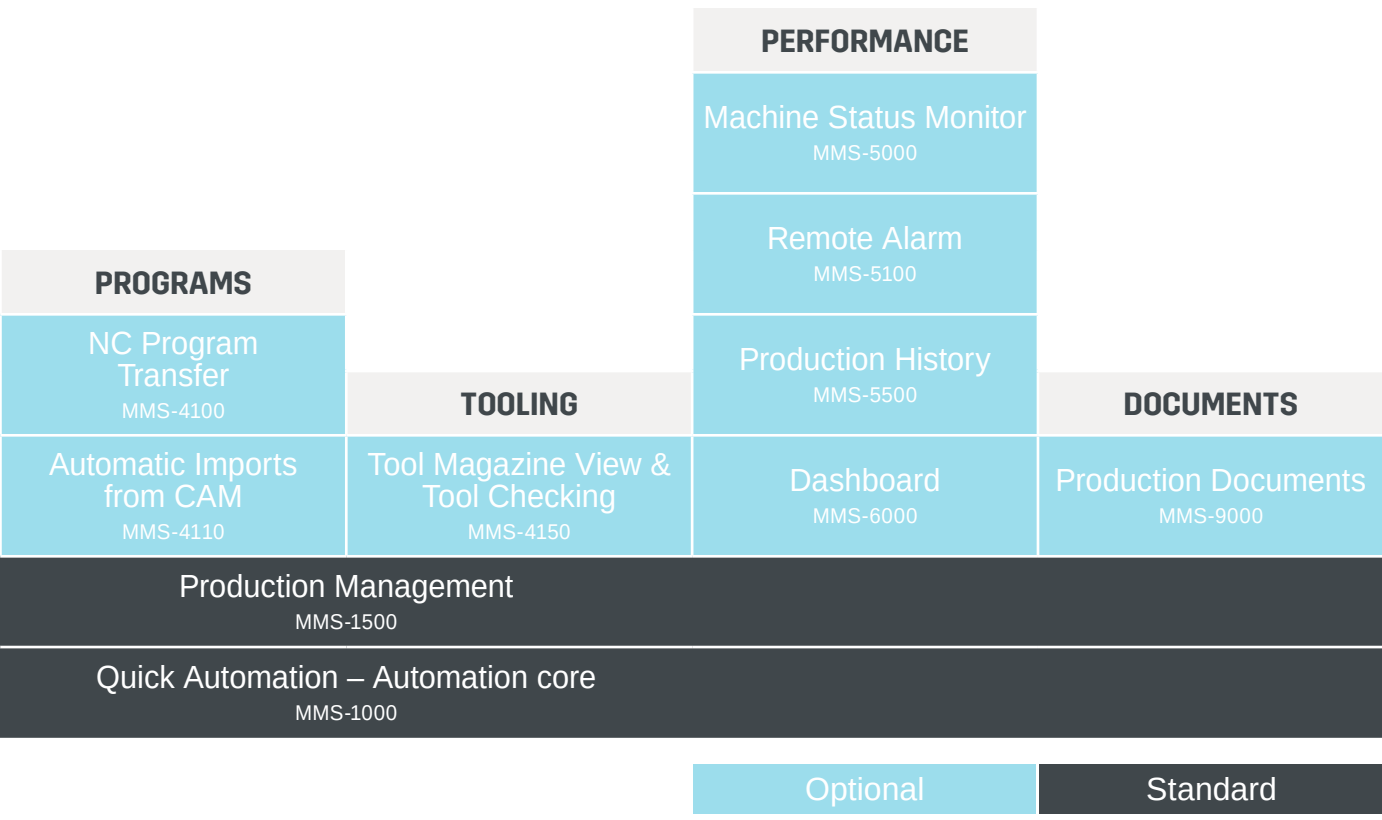
- Adaptive for changes
- Automatic production scheduling
- Recognizes bottlenecks in advance
- Automatic resource balancing

Keep your performance in maximum with Lifecycle Services.

Availability Services – Minimize downtime

Capability Services – Maximize Productivity

Solution Services – Keep FMS in good Condition



We are Fastems. We are here for you.

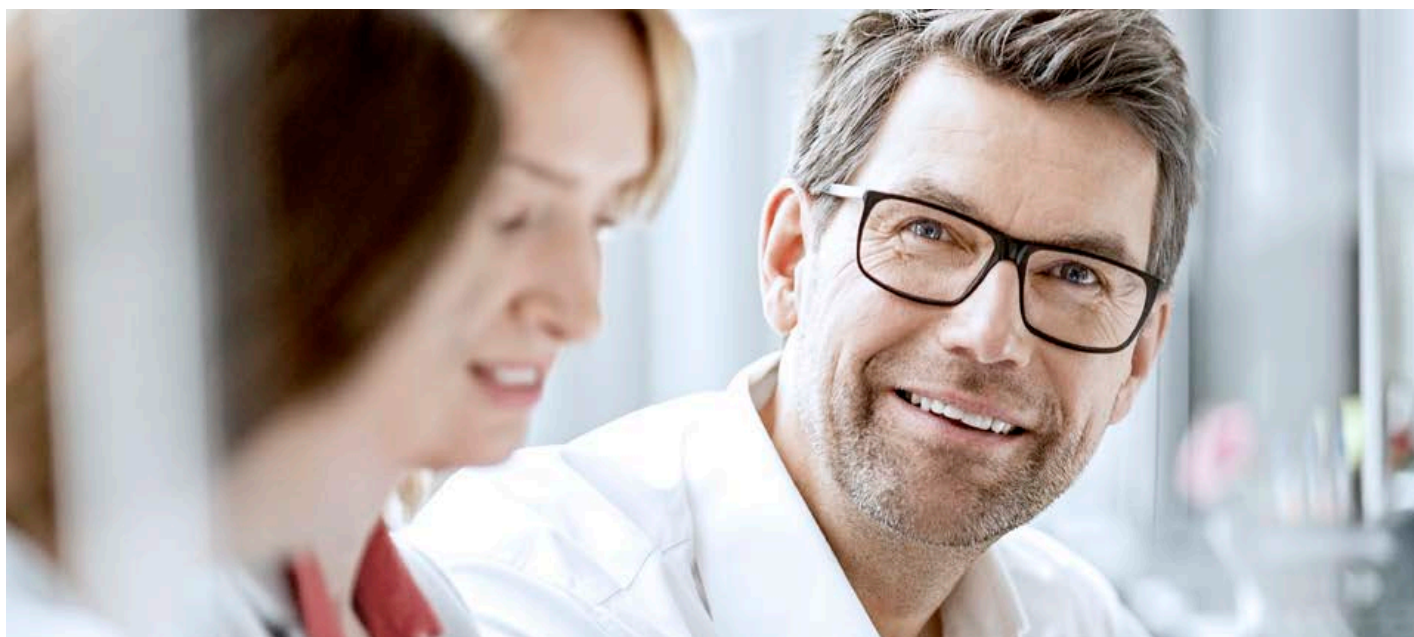
"At Fastems, we believe that building and maintaining a strong manufacturing base is essential for the development of our society and the well-being of the people."

That is why we do everything in our power to increase the competitive advantage of our customers and to make their production facilities as efficient, profitable and forward-thinking as possible – through intelligent digitization and process automation.

- Decades of industry experience and more than 4,000 successfully installed systems worldwide
- Systems that optimize your time cycles, reduce costs and improve the usability of your existing machinery

- Systems that have been developed with the health and safety of your personnel in mind
- 24/7 support to ensure maximum productivity during all 8,760 hours of the year

We look forward to helping you determine the potential of your manufacturing processes and to finding a solution that is right for you!



Subject to technical changes



www.fastems.com