

LEAN SYSTEM[®]

FLEXIBLE SOLUTIONS WITH ENDLESS POSSIBILITIES



Lean Manufacturing Solutions



Lean Manufacturing - Made in Europe

A modern Company with long history

Scaglia Indeva was founded 1838 by the Scaglia family and remains in their ownership to the present day. It is the foundation stone of an important industrial Group, which has now diversified into a wide range of commercial businesses worldwide, with headquarters in Bergamo, Italy and subsidiaries in many countries.

Since the late 1990s Scaglia Indeva has been supplying modular systems suitable for Lean Manufacturing.

Indeva Lean System[®], manufactured in Italy and Sweden, offers a complete range of components for modular structures suitable for the Lean Manufacturing, such as pipes, joints, roller conveyors, kit boxes, accessories etc. A design and build facility is offered for complex structures.



A wide range of solutions

Supermarket

Modular custom designed supermarket trolleys along the production line contribute to **waste elimination**.



Flow Racks

Using Flow Racks increases **work flow efficiency** and **ergonomics**.



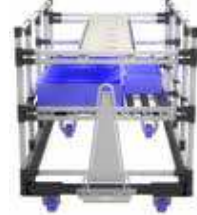
Work Stations

Adjustable and customizable they improve **ergonomics** and **productivity**.



Tugger Carts

Easy and safe to be towed by an **Automated Guided Vehicle (AGV)**.



Work in process Carts

Custom designed to **account for all components** associated with sub-assembly processes.



Shooter Trolleys

To safely move heavy loads from one trolley to another by means of gravity.



Kitting Trolleys

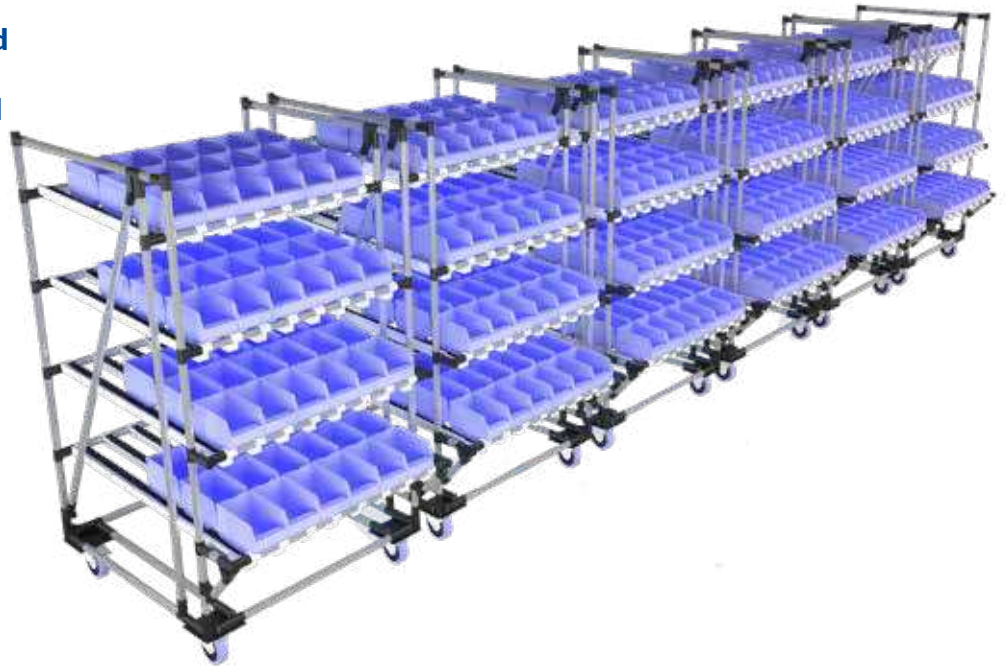
A wide range of **tailor-made storage and presentation solutions**.



Supermarket

Modular supermarkets with adaptable trolleys and carts specifically designed to hold and present individual components within a process.

- ✓ adjustable to different configurations
- ✓ elimination of waste both in time and space
- ✓ easy to move to point of need
- ✓ replaces use of lift trucks and eliminates related safety hazard.



Fifo Gravity Flow Racks

Our wide range of gravity flow rack and joints allows us to design and build the best solution for each specific requirement.

Using modular flow racks increases your workflow efficiency, provides first-in first-out stock management and provides ergonomic pick-face replenishment.

- ✓ reduced flow lines
- ✓ minimal design costs
- ✓ quick to adapt for different parts and processes

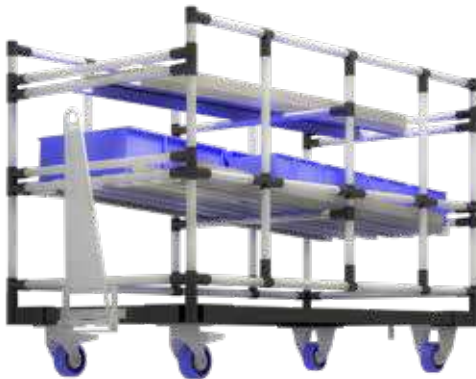




Work places

INDEVA Lean System® allows you to build **ergonomic workstations** to suit your requirement with convenient parts presentation and integral lighting.

- ✓ **easy to adjust to each operator's need**
- ✓ **improved ergonomics**
- ✓ **overhead tool support rails**
- ✓ **quick to adapt for different parts and processes**



Tugger carts

Tugger carts made with INDEVA Lean System® are light and easy to manoeuvre.

- ✓ **can be towed by automatic guided vehicles (AGV)**
- ✓ **designed to your exact specifications**
- ✓ **solution chosen by all major companies in the automotive industry**



Work in process carts

INDEVA Lean System® is ideal for the design and assembly of custom in-house material handling carts.

- ✓ safe support for delicate, high value parts
- ✓ easy to build for temporary demand



Shooter trolleys

Shooter trolleys made with INDEVA Lean System® allow the **safe movement of heavy loads** from one trolley to another or from one fixed structure to a cart.

- ✓ significant reduction of health and safety hazards
- ✓ significant improvement of production efficiency
- ✓ enhancement of storage processes with the implementation of the just-in-time parts supply.





Kitting trolleys

Thanks to **3D simulation** we can provide a wide range of **tailor-made storage and presentation solutions**.

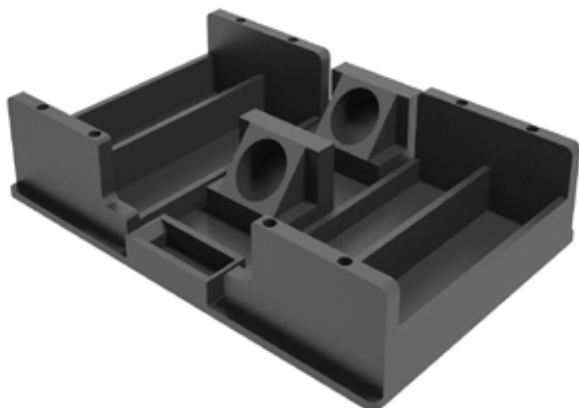
- ✓ **reduce production cycle times**
- ✓ **improve part presentation in your assembly line**
- ✓ **protect your delicate components**



Kit boxes

From simple to complex, from small to large, we provide kit boxes to suit any manufacturing requirement. **Using kit boxes is recommended for Lean Manufacturing.**

- ✓ **improve project readiness and part presentation**
- ✓ **3d simulation - prototype development - serial production**
- ✓ **eliminate parts shortage**



Choose the supply option that best suits your requirement.

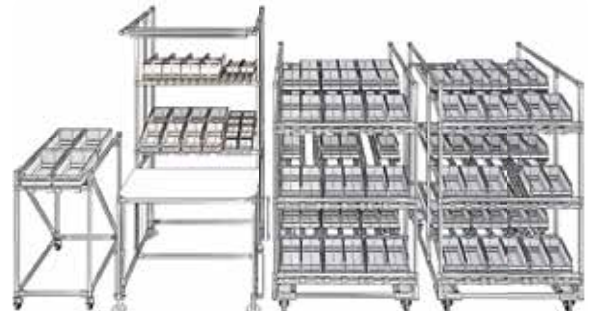
Supply of assembled structures

Using 3D simulation our engineers design and build one prototype for each structure type for customer approval and acceptance.
Once approved, your order is assembled at our facility and **delivered direct to you, ready for use.**



Supply of kitted structures

We assess your need, then provide you with construction drawings complete with 3D simulation.
One prototype is assembled by design and all components are pre-cut and packaged in kits.
Your staff will assemble all structures at your site



Turn-key supply with Lean technician

Our engineers will come at your facility, assess your requirements, **design and build all structures on site.**
This is the ideal option if you need a quick implementation of the required solution and don't have personnel available for this job.



Supply of bulk components

Who knows your need better than yourself?
Scaglia INDEVA® guarantee quick delivery of the components.
Your staff design and build all structures at your site.





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