







#### A MODERN COMPANY WITH A LONG HISTORY

Scaglia INDEVA was founded in 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. The headquarters is in Bergamo, Italy, and with subsidiaries in many countries.



Since the late 1990s Scaglia INDEVA has been supplying Modular Systems suitable for Lean Manufacturing. INDEVA Lean System® is manufactured in Italy and Sweden, and offers a Complete range of components for Modular Structures, such as Pipes, Joints, Roller Conveyors, Kit boxes, Accessories etc.



INDEVA Design & Manufacture custom made Production & Logistic equipment

### LEAN MANUFACTURING

#### FLEXIBLE ASSEMBLY LINES & PART VARIATION

Managing part variation - from inventory to how we present it to the operator - is the biggest challenge that INDEVA face on a daily basis.

Parts kitting ensures that operators get the right part at the right time at the right workstation.





Example of sequencing of Gear stick. Thanks to optimum Ergonomics, several seconds are saved for the operator at each operation. During a single day we could save over 6000 seconds!



In order to reduce lead time of development, INDEVA's designers work directly on the shop floor. The actual process is analysed and 3D proposals of kitting Trolleys can immediately be suggested.



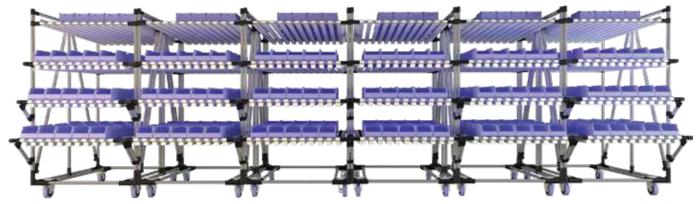
### LEAN MANUFACTURING

### A WIDE RANGE OF SOLUTIONS



#### **SUPERMARKET**

Modular custom Designed Supermarkets should be located near the supplying process to help maintain a Visual sense of customer usage and requirements. The different items in a supermarket have a FIFO Flow, specific location and are organized in the exact quantities in which they are needed.



- ▲ Adjustable to different configurations
- ▲ Elimination of waste both in time & space
- **Easy to move to point of need**
- Replaces use of lift trucks & eliminates related safety hazard.



### **FIFO GRAVITY FLOW RACKS**

INDEVA's wide range of Gravity Flow Rack allows us to Design and deliver the optimum solutions for each specific requirement.

- ∧ Saves time, space & labour.
- Provides high density storage.
- ▲ Shelves can be adjusted to meet product dimensions.
- Reduces loading and unloading congestion.
- Cost efficient.













### WORKSTATIONS

INDEVA Lean System® allows you to Design Ergonomic Workstations to suit your production requirement. INDEVA offer a wide range of individual solutions which can be tailored precisely to your requirements.

- ▲ More flexible response to customers' needs
- Less space required
- ✓ Shorter processing times
- ▲ Better working environment

- ▲ Quicker quality feedback
- Reduction in inventory and intermediate storage
- ▲ Increased productivity
  - Reduction in overall costs









### **TUGGER CARTS**

Custom made Tugger Carts from INDEVA are efficient for transporting material

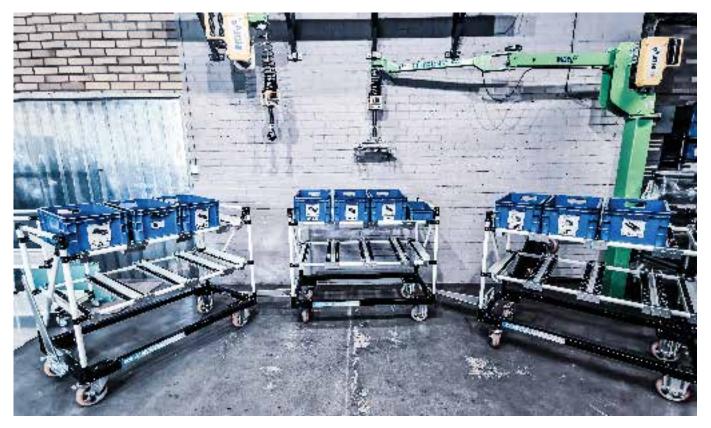


- Less Floor Congestion
- Reduced Wait Times









### WORK IN PROCESS CARTS

INDEVA Lean System® is ideal for the Design & Assembly of Customized Material Handling Carts.

- $\checkmark$  Ergonomic presentation of parts
- ✓ Manufactured for specific needs







#### SHOOTER TROLLEYS

To safely move heavy loads from one trolley to another by means of gravity. 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 & safety hazards
- ✓ Significant improvement of production efficiency
- $\checkmark$  Enhancement of storage processes with the implementation of just-in-time parts supply.

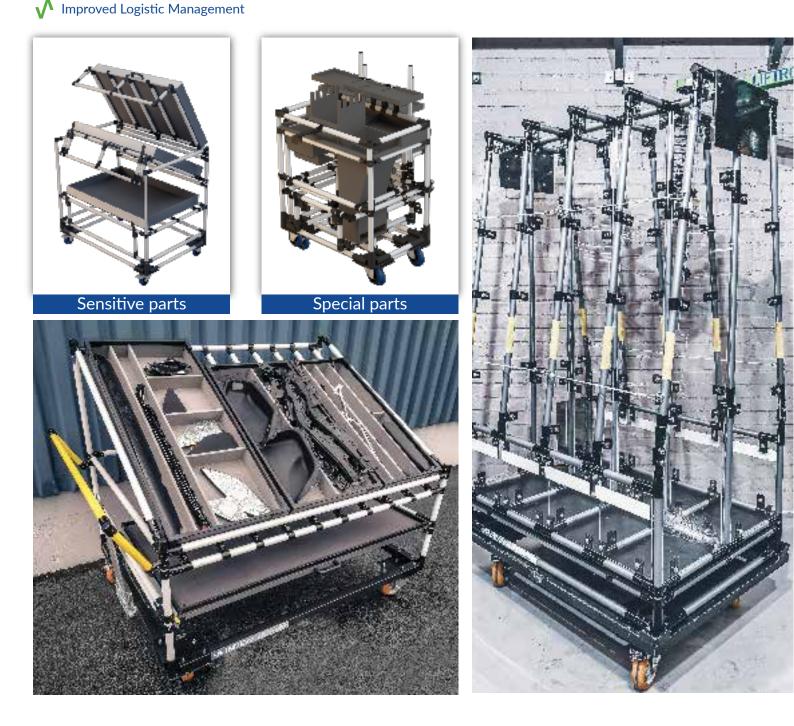


#### **KITTING TROLLEYS**

INDEVA Design & Manufacture kitting solutions. Using kitting as your main material feeding system reduces the time handlers & operators will look for certain parts or components due to all parts arriving within a kit.

Elimination of "Search Time"

Improved Organization on the Production Line



### **KIT BOXES**

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

- Elimination of "Search Time"
- ✓ Improved Organization on the Factory Floor
- Improved Logistic Management



**PEHD** material





#### **DUNNAGE BAGS TROLLEYS**

Ideal for Automotive Assembly and Appliance manufacturing to safely transport lightweight components. The unique design of INDEVA's Dunnage bags combines strength and versatility for handling sensitive parts. Possible access on one or two sides depending on the size of the products being transported.

There is no limit to the types of configurations
No dust or scratches on the parts, even during transport









# **SUPPLY OPTIONS**

#### SUPPLY OF ASSEMBLED STRUCTURES

Once INDEVA's 3D Drawing is approved, your order is Manufactured at INDEVA's facility and, Delivered Direct to you Ready for Use.



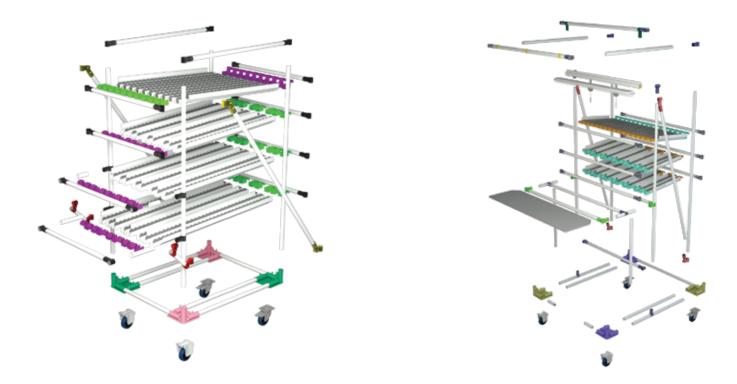
#### **TURN-KEY SUPPLY WITH LEAN TECHNICIAN**



# **SUPPLY OPTIONS**

### SUPPLY OF KITTED STRUCTURES

Using 3D simulation our Engineers Design & Build a Prototype. After customer Approval & Acceptance, your order is Assembled at our Facility and Delivered directly to your location, Ready for Use.



#### SUPPLY OF BULK COMPONENTS

Who knows your need better than yourself? INDEVA® guarantee quick delivery of our wide range of components.



Scaglia INDEVA Italy	Scaglia INDEVA SpA Via Marconi, 42 24012 Val Brembilla (BG) Tel. +39 0345 59 411 info@it.indevagroup.com www.indevagroup.it	-
Scaglia INDEVA Germany	Scaglia INDEVA GmbH Esslinger Str. 26 D-73249 Wernau Tel.+49 (0) 7153 55049-0 info@de.indevagroup.com www.indevagroup.de	-
Scaglia INDEVA France	Scaglia INDEVA SARL 215 Rue Henry Barbusse 95100 Argenteuil Tel.: +33 (0) 1 39 19 30 30 info@fr.indevagroup.com www.indevagroup.fr	-
Scaglia INDEVA United Kingdom	Scaglia INDEVA Ltd Coney Green Business Centre, Clay Cross Chesterfield, Derbyshire S45 9JW Tel. +44 (0) 1246 25 23 33 info@uk.indevagroup.com www.indevagroup.co.uk	-
Scaglia INDEVA Sweden	SCAGLIA INDEVA Nordic AB Torbornavägen 24 253 68 Helsingborg Tel. +46 (0) 424002460 info@se.indevagroup.com www.indevagroup.se	-
Scaglia INDEVA United States	Scaglia INDEVA Inc. 3630 Green Park Circle Charlotte, NC 28217 Tel. +1 704 357 8811 info@us.indevagroup.com www.indevagroup.com	-
SIT INDEVA P. R. of China	SIT INDEVA (Shanghai) Ltd Shanghai Nanhui Industrial Park #2 Building, No 269 YuanZhong Rd. 201300 Tel. +86 (21) 5108 2206 - 107 info@cn.indevagroup.com www.indevagroup.cn	-



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