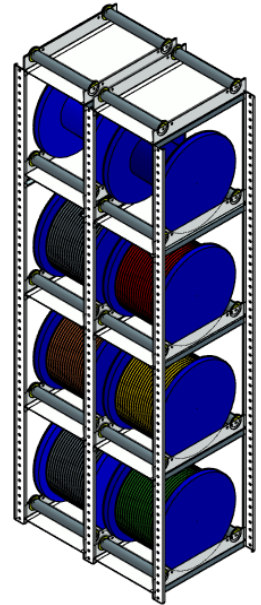
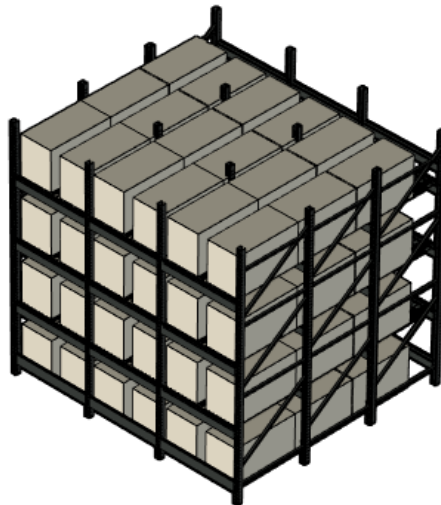
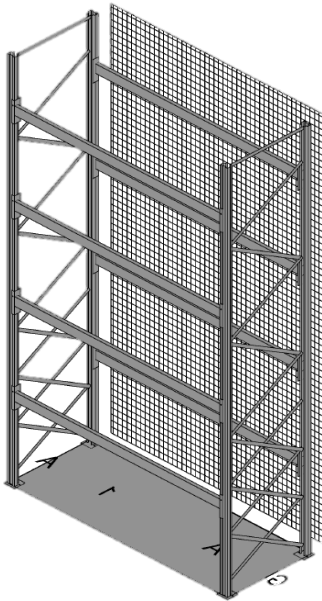


4 LEAN



4 | Warehouse

Vol. XII

We Build Lean

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About us

4Lean is a company dedicated to the creation and implementation of Lean solutions. We have a vast knowledge in Lean, we are able to implement a full supply chain with our vast portfolio that is developed in our Lean Lab.

All organization practice Lean everyday. We have regular training in Lean and we participate in Kaizen Events to understand customer needs.

We believe our *gemba* is at customer site, we are a natural extension of your organization.

4Lean é uma empresa dedicada à criação e implementação de soluções Lean. Temos um vasto conhecimento em Lean, somos capazes de implementar uma cadeia de fornecimento completa com o nosso vasto portfólio que é desenvolvido no nosso Laboratório Lean.

Todos na organização praticam Lean diariamente. Temos uma formação regular em Lean e participamos em eventos Kaizen para entender as necessidades dos clientes.

Acreditamos que o nosso *gemba* está à vista do cliente, somos uma extensão natural da sua organização.

4Lean è una società dedicata alla creazione e implementazione di soluzioni di Lean. Abbiamo una vasta conoscenza in Lean e siamo in grado di implementare una catena di approvvigionamento grazie alla nostra vasta gamma sviluppata nel nostro Lean Lab.

Tutta la nostra organizzazione, pratica Lean tutti i giorni. Abbiamo formazione regolare in Lean e partecipiamo a cantieri Kaizen, eventi per capire al meglio i nostri clienti.

Crediamo che il nostro *gemba* è presso il cliente, siamo una naturale estensione della vostra organizzazione.

4Lean es una empresa dedicada a la creación e implementación de soluciones de Lean. Contamos con un amplio conocimiento en Lean, somos capaces de implementar una cadena de suministro completa con nuestro amplio catálogo que se desarrolla en nuestro Laboratorio de Lean.

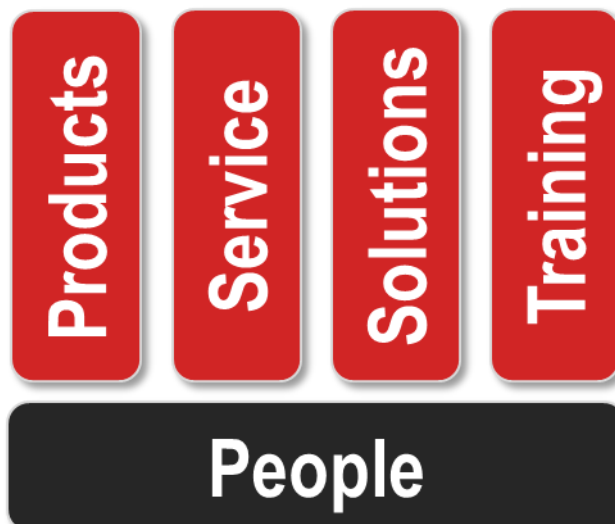
Todos en la organización practicamos Lean diariamente. Tenemos una formación regular en Lean y participamos en Kaizen Eventos para entender las necesidades del cliente.

Creemos que nuestra *gemba* está en el sitio del cliente, somos una extensión natural de su organización.

4Lean est une société dédiée à la création et la mise en œuvre de solutions Lean. Nous avons une vaste connaissance dans Lean, nous sommes capable de construire une chaîne d'approvisionnement complète avec notre vaste portefeuille qui est développée dans notre Lean Lab.

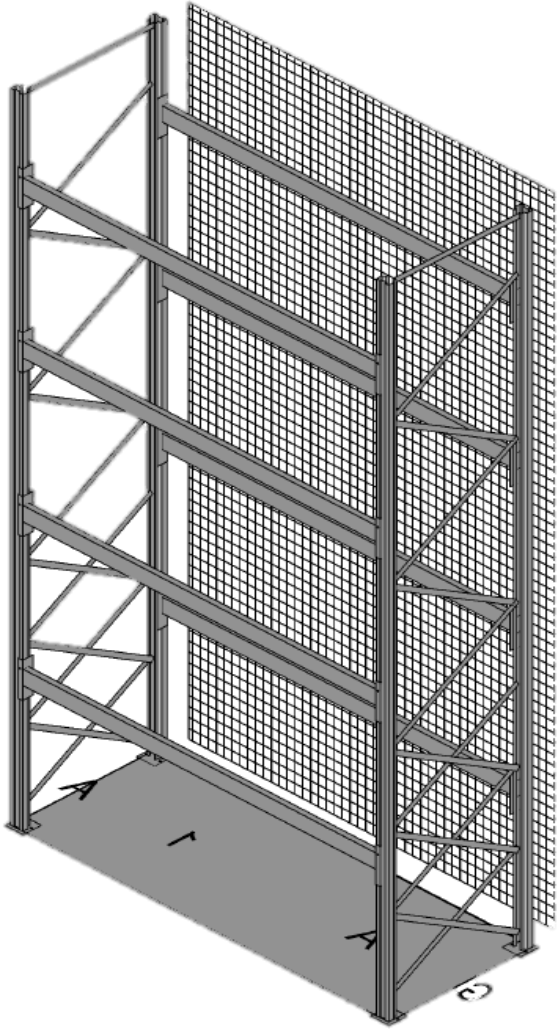
Tout l'organisation pratique Lean quotidienne. Nous avons régulièrement des formations Lean, nous participons à chantier Kaizen pour comprendre les besoins des clients.

Nous croyons que notre *gemba* est le site du client, nous sommes un prolongement naturel de votre organisation



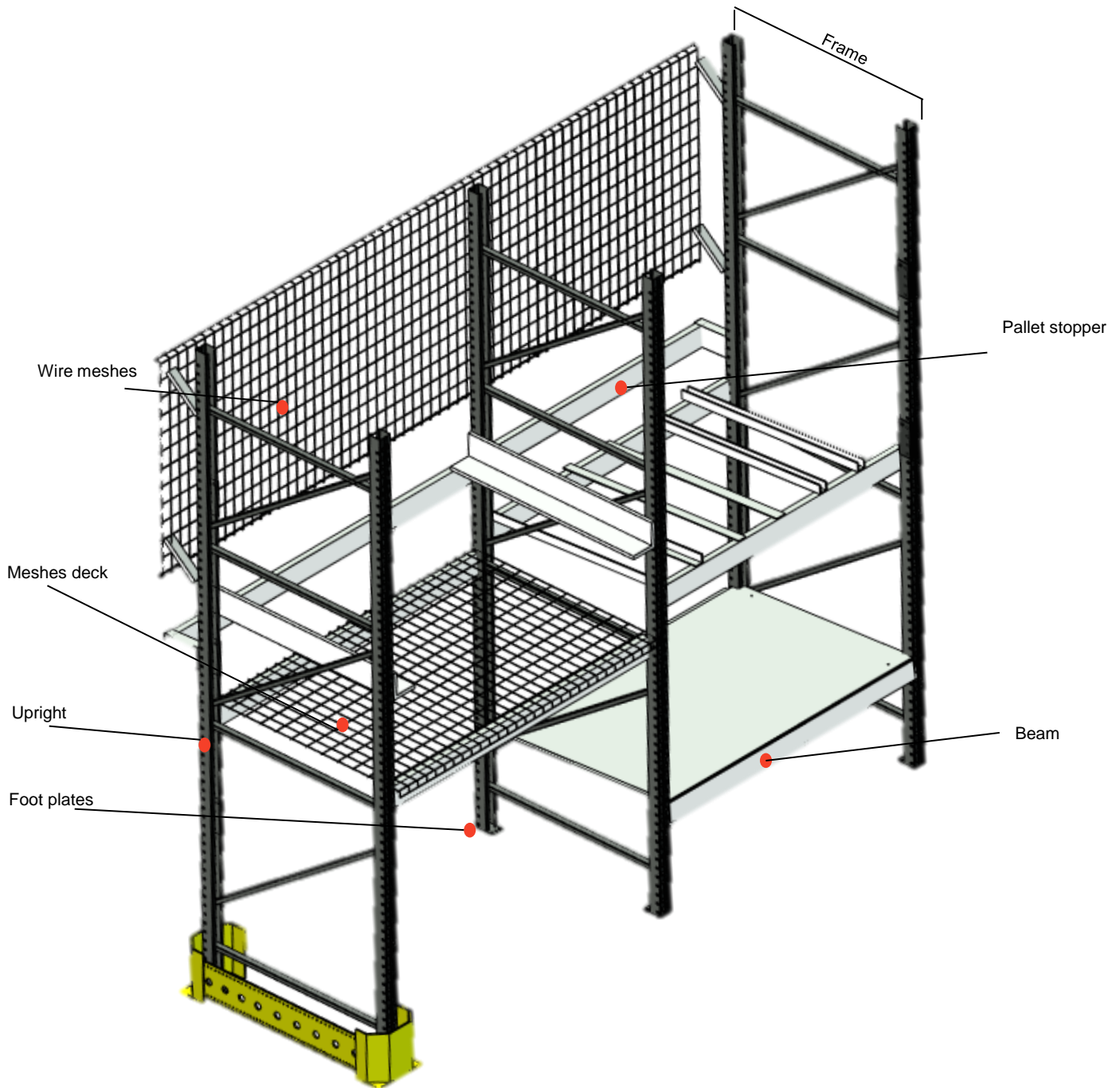
We Build Lean !

4 | Warehouse



Pallet racking system

| Sistema de estantes para paletes | Sistema di scaffalature per pallet | Sistema de estanterías de palets | Système de rayonnage à palettes|



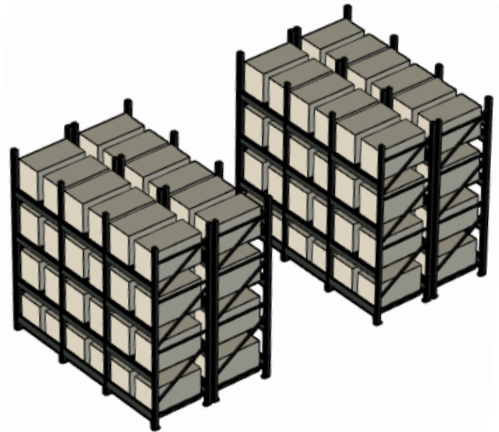
Pallet racking system

| Sistema de estantes para paletes | Sistema di scaffalature per pallet | Sistema de estanterías de palets | Système de rayonnage à palettes|

Standard Pallet Racking

Characteristics

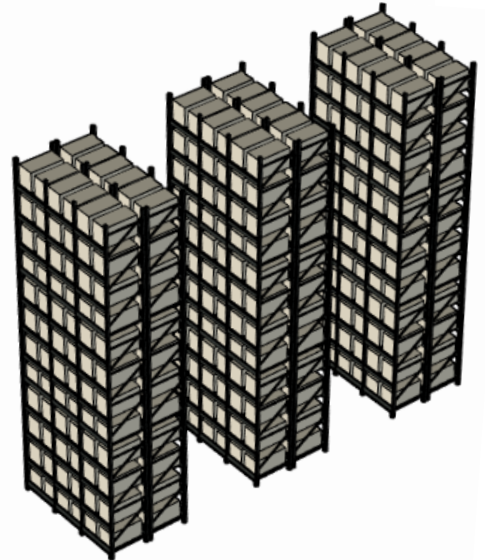
- No restrictive ordering system
- Unrestricted access to all pallets
- Suitable for all types of storage media



Narrow-aisle high-bay racking

Characteristics

- The space-saving option if floor space is limited
- Maximum storage capacity
- Fast accessibility and quick order-picking
- Straight from the pallet



Drive-in racking

Characteristics

- The ideal for storing large quantities of the same type of goods
- Your existing space can be used up to 90% more effectively than with conventional pallet storage systems



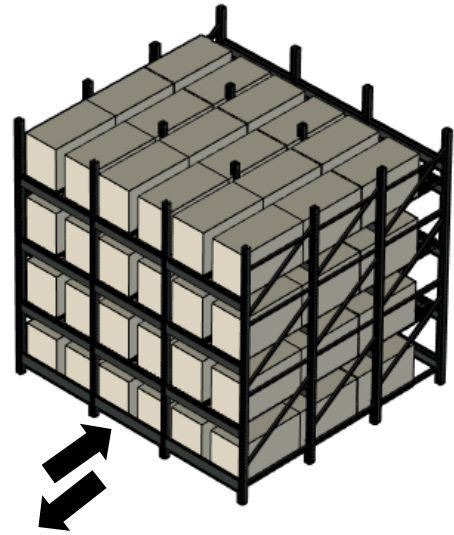
Pallet racking system

| Sistema de estantes para paletes | Sistema di scaffalature per pallet | Sistema de estanterías de palets | Système de rayonnage à palettes

Push-back Racking

Characteristics

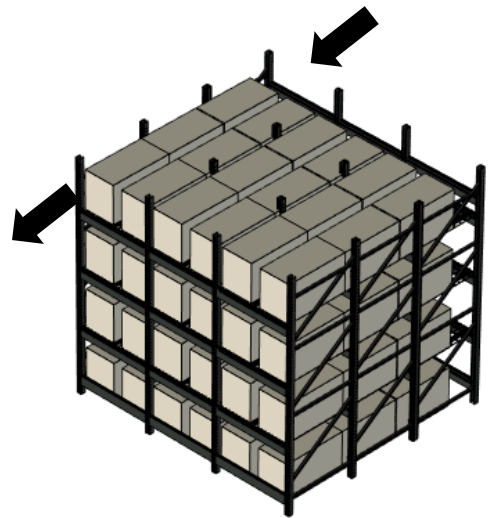
- Especially suitable for storing goods in large quantities
- Fewer operations, shorter distances and an increase in storage capacity of up to 75%



Push-through racking

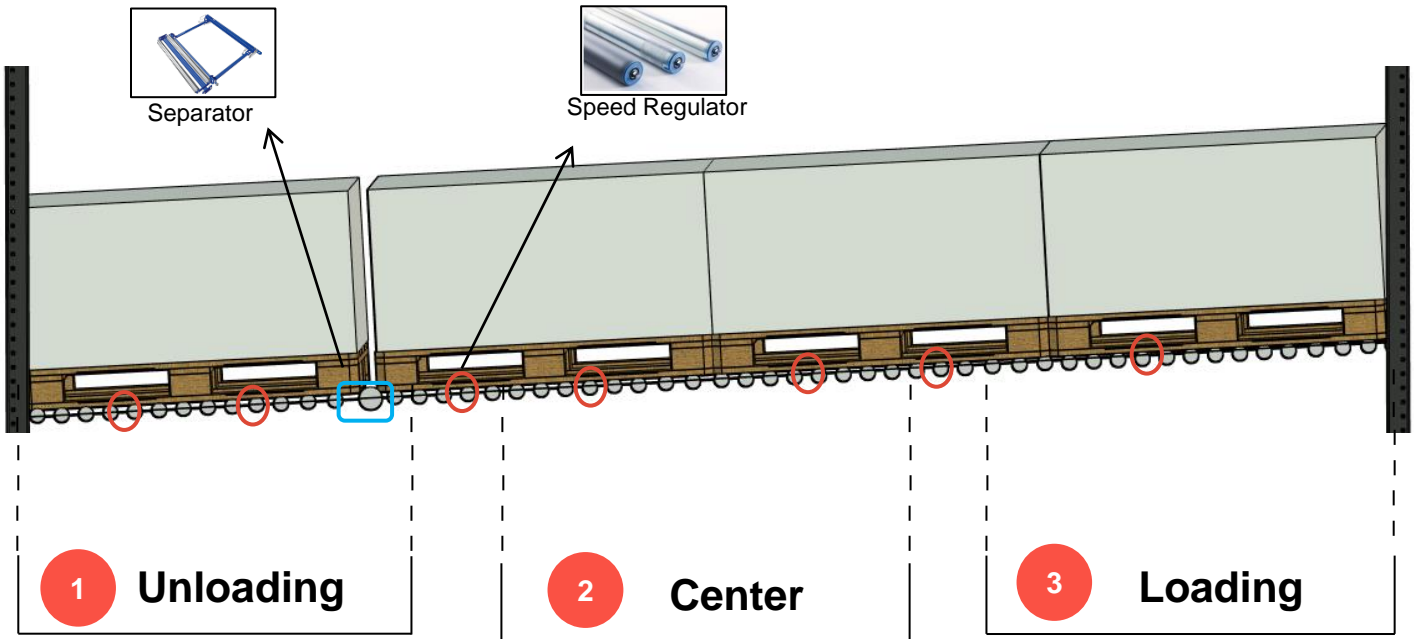
Characteristics

- High rate of turnover and fast access to goods
- Since no more than two lanes are needed, this option requires up to 60%
- Less space than a conventional pallet stacking warehouse



Pallet Flow - Flow System

| Fluxo de paletes | Flusso di pallet | Flujo de paletas | Flux de palette |

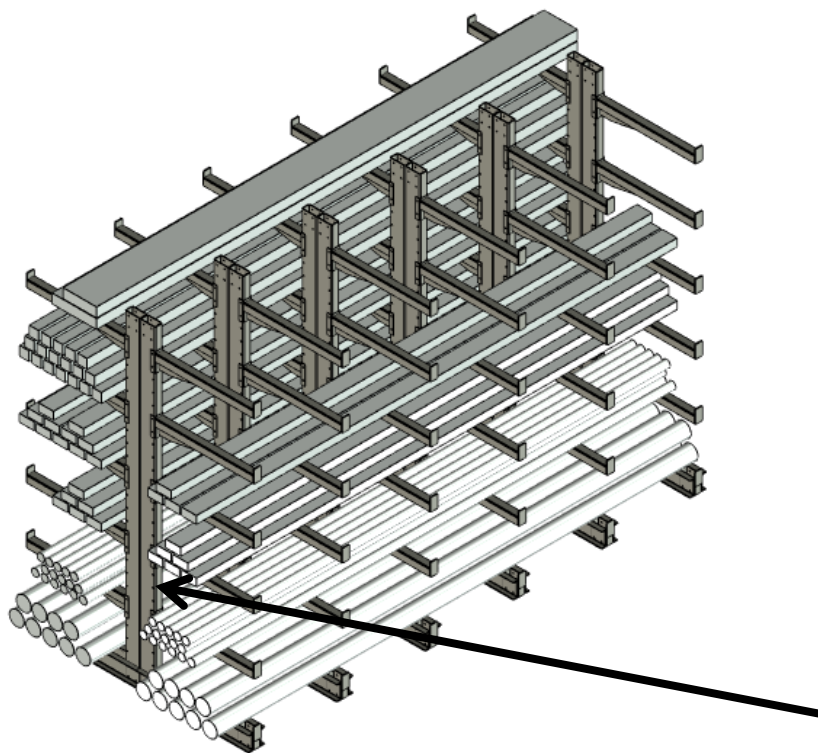


Flow System		
	Description Descrição/ Descrizione Descripción/ La description	Image of the Product Imagem do Produto / Immagine del prodotto Imagen del producto / Image du produit
1	Loading element divided Elemento com rolos divididos Elemento di caricamento diviso Elemento de carga dividido Élément de chargement divisé	
	Loading element with full width rollers Elemento de carregamento com rolos de largura total Elemento di carico con rulli a larghezza piena Elemento de carga con rodillos de ancho completo Élément de chargement avec rouleaux pleine largeur	
2	Center element Elemento central Elemento centrale Elemento central Élément central	
3	Unloading element with full width rollers Elemento de descarga com rolos de largura total Elemento di scarico con rulli a larghezza piena Elemento de descarga con rodillos de ancho completo Élément de déchargement avec rouleaux pleine largeur	
	Unloading element with divided rollers Elemento de descarga com rolos divididos Elemento di scarico con rulli divisi Elemento de descarga con rodillos divididos Élément de déchargement à rouleaux divisés	
	Unloading element on floor Elemento de descarga no chão Elemento di scarico sul pavimento Elemento de descarga en el piso Élément de déchargement au sol	

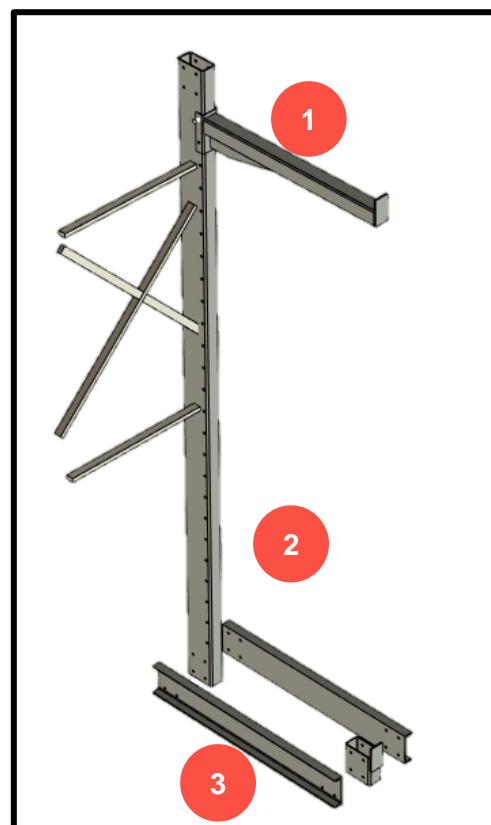


Cantilever

| Cantilever | Cantilever | Cantilever | Cantilever |



CUSTOMIZED SOLUTION



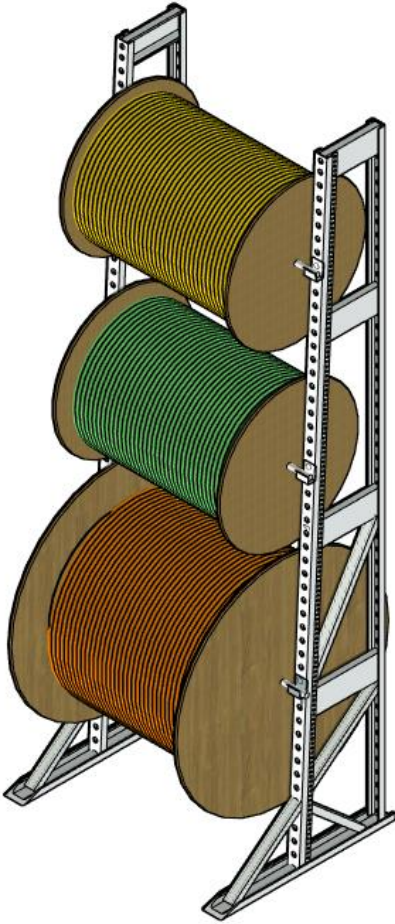
Cantilever		
Description Descrição/ Descrizione Descripción/ La description	Dimension (mm) Dimensions Dimensões / Dimensiuni / Dimensiones / Dimensions	
Arm Braçol Braccio Brazo Bras	800 - 2000	1
Column Colunal Colonna Columna Colonne	3000 - 7200	2
Base Base Base Base Base	2400 - 9400	3



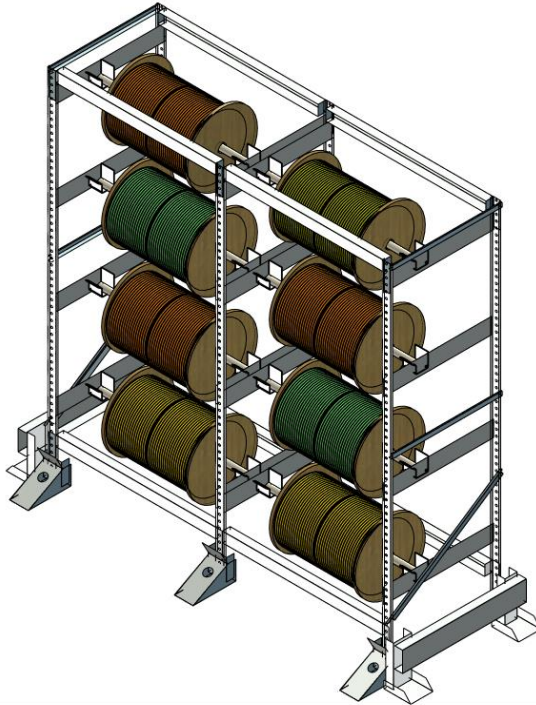
Reels racking system

| Sistema de estantes para bobinas | Sistema di racking di bobine | Sistema de estanterías de carretes | Système de rayonnage à bobines |

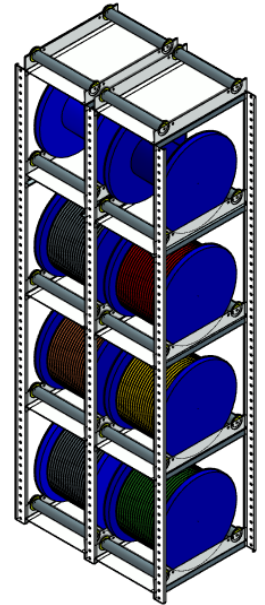
CUSTOMIZED SOLUTION



1



2



3

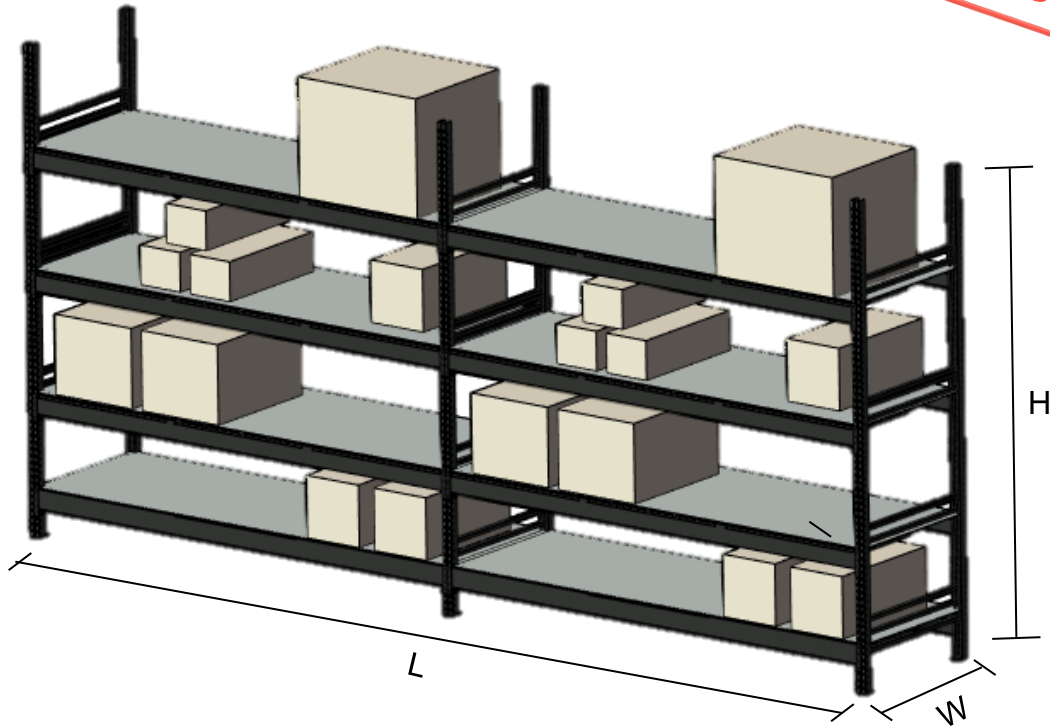
Reels Racking System		
Description Descrição/ Descrizione Descripción/ La description	Reels dimension Ø (mm) Dimensões bobinas Ø (mm) / Dimensioni di bobine Ø (mm) Dimensiones de carretes Ø (mm) / Dimensions bobines Ø (mm)	
Dynamic colector rack Rack colector dinâmico Rastrelliere priervo dinamico Rack colector dinâmico Rack collecteur dynamique	800-2500	1
Light Rack Rack ligeiro Rastrelliere leggera Rack ligero Rack léger	630 máximum	2
Dynimic picking shelving Estantes de picking dinâmicas Scaffalature di raccolta Dynimic Estantería de recogida dinámica Rayonnage de cueillette Dynimic	200-400	3



Box racking system

| Sistema de estantes para caixas | Sistema di scaffalature a scatola | Sistema de estanterías de caja | Système de rayonnage à caisses

CUSTOMIZED SOLUTION

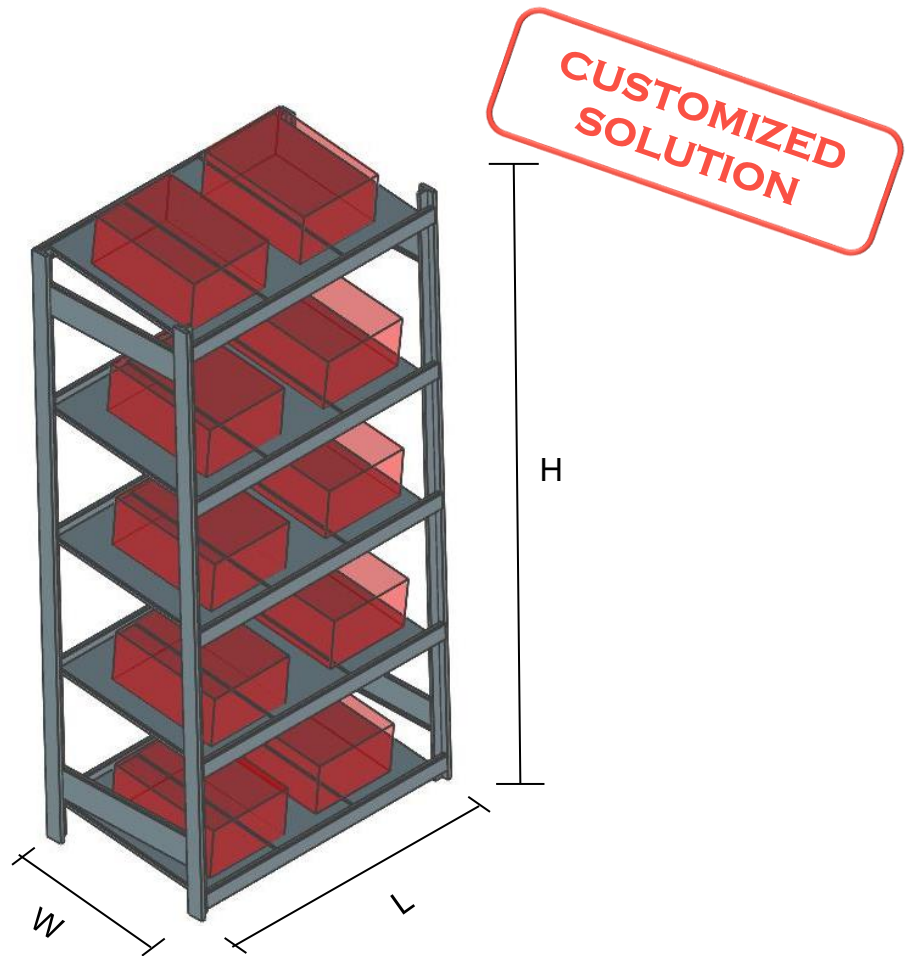


Box racking system		
Dimensions Dimensões / Dimensioni / Dimensiones / Dimensions		
H (mm)	L (mm)	W (mm)
1800 - 9000	900-2100	300-1200



Box racking tilted system

| Sistema inclinado de estantes para caixas | Sistema inclinato per scaffalature scatole | Sistema de estanterías de cajas inclinadas | Système incliné de rayonnage à caisses



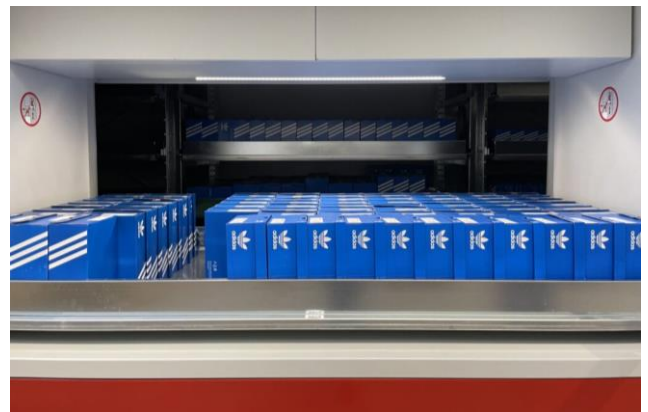
Box racking tilted system		
Dimensions Dimensões / Dimensioni / Dimensiones / Dimensions		
H (mm)	L (mm)	W (mm)
1800 - 9000	900-2100	300-1200

Automated Warehouses

| Armazéns automáticos | Magazzini automatizzati | Almacenes automatizados | Entrepôts automatisés



CUSTOMIZED SOLUTION



Shelves system designed to store sheets

|Sistema de prateleiras projetado para armazenar placas| Sistema di scaffali progettato per conservare i piatti| Sistema de estantes diseñado para almacenar platos|Système d'étagères conçu pour ranger les assiettes

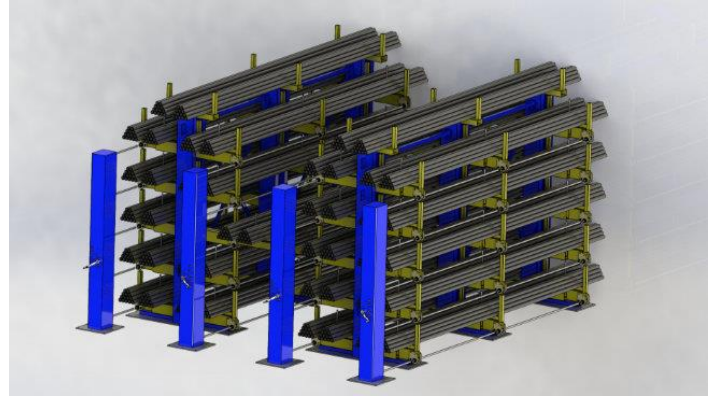
CUSTOMIZED SOLUTION



Designed to store small quantities of material

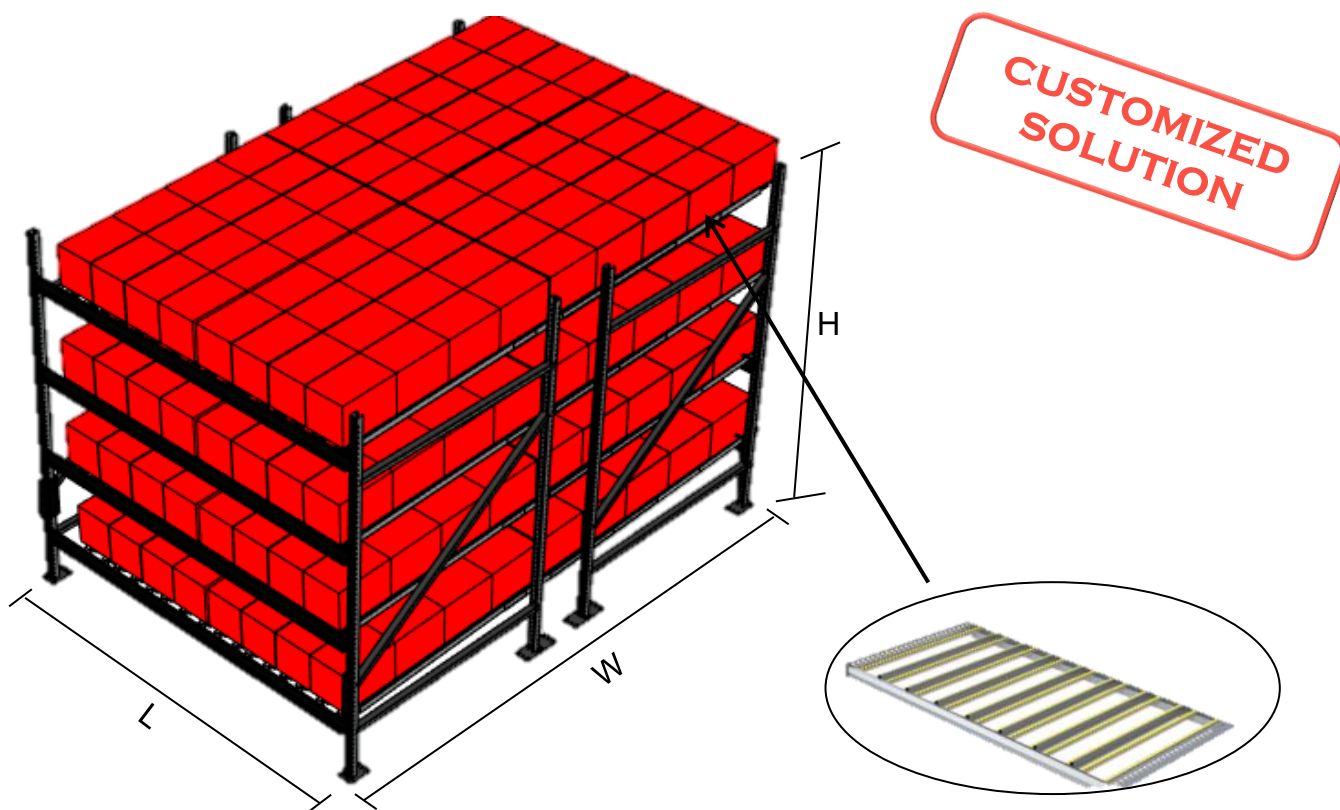
|Projetado para almacenar pequeñas cantidades de material| Progettato per immagazzinare piccole quantità di materiale| Diseñado para almacenar pequeñas cantidades de material
|Conçu pour stocker de petites quantités de matériel

**CUSTOMIZED
SOLUTION**



Carton Flow

| Fluxo de caixas | Flusso di cartone | Flujo de cartón | Flux de carton



Standard Continuous Flow Bed

Elemento com rolos divididos | Elemento di caricamento diviso |
Elemento de carga dividido | Élément de chargement divisé

Carton Flow		
Dimensions Dimensões / Dimensioni / Dimensiones / Dimensions		
L (mm)	W (mm)	H (mm)
1825	1200 / 2400	2000
2700		
3575		



Notes

| Notas | Appunti | Notes

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Notes

| Notas | Appunti | Notes

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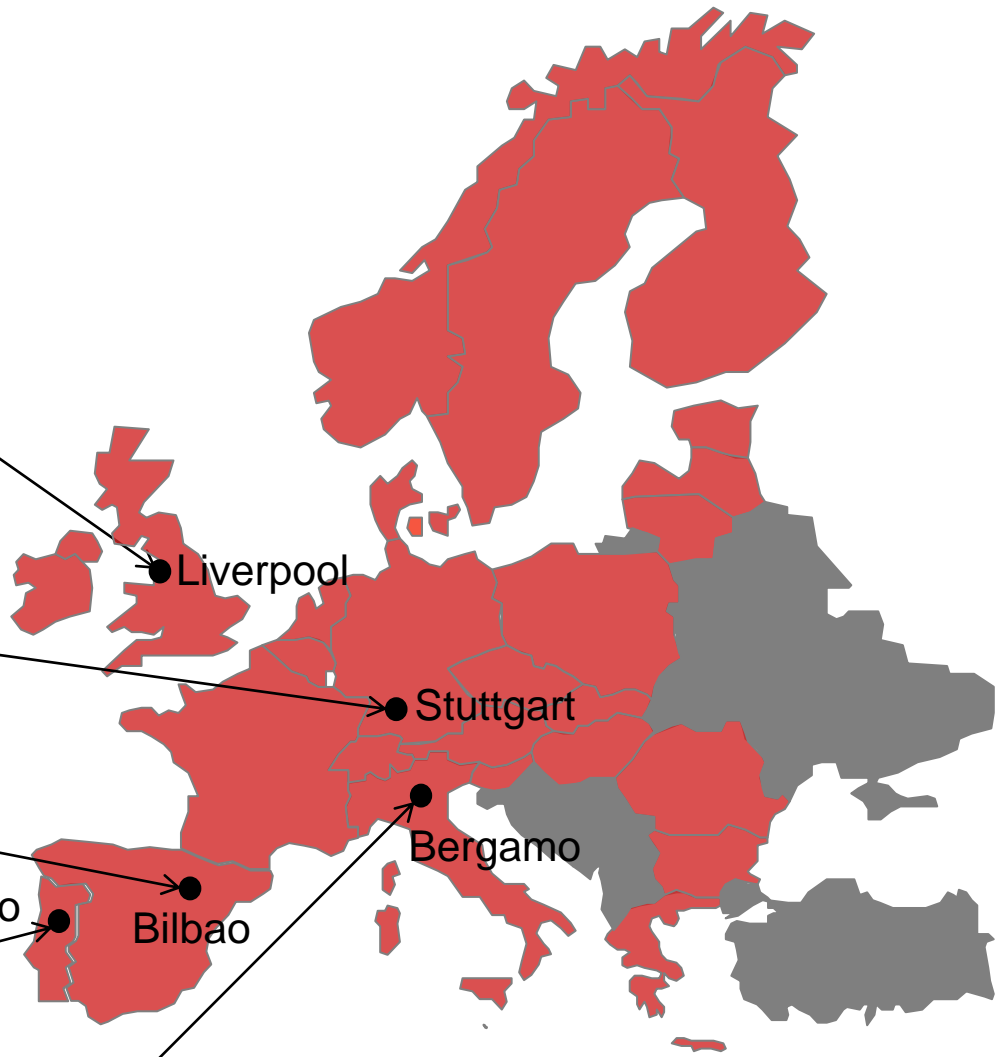
UK **4LEAN**

DE **4LEAN**

Iberia **4LEAN**

4LEAN

Italy **4LEAN**



Some of our clients

| Alguns dos nossos clientes | Alcuni dei nostri clienti | Algunos de nuestros clientes |
Certains de nos clients

Horeca Equipments



Industrial and Agricultural Vehicles



Power transmission



Automotive



Aeronautics



Small Appliance



E-Commerce & Warehouse



Elevators



We Build Lean

4Lean, Lda
4lean@4lean.net
www.4lean.net

Some of our clients

| Alguns dos nossos clientes | Alcuni dei nostri clienti | Algunos de nuestros clientes |
Certains de nos clients

White goods

POLIDORO
for excellence in combustion

sisme

METEOR
SINCE 1959

Whirlpool

Electrolux

FABER

Bicycles

SRAM

Maias

Micanda
The European Bike Fundamentals.

rte

ALUBIKE

Campagnolo

LOMBARDO
LINEA VENTIL

ORBEA

Electrical

ABB

CAME

bticino

efacec

OSRAM

WESTRAFO

EFAPEL

SIEMENS

simon

Electronics

ALFA
ELETTRONICA

TE
CONNECTIVITY

flex

KEMET
a YAGEO company

CAREL

OLYMPUS

vision-box

VISHAY

US TECHNOLOGIES

CARDIOLINE

Fashion

LVMH
MOËT HENNESSY, LOUIS VUITTON

NIKE

YSL

YKK

SWATCH GROUP

BALLY

KERING

Process Industry

Nestlé

BANCO DE PORTUGAL
CIGARRILHEIRA

THE NAVIGATOR
COMPANY

Coca-Cola

thyssenkrupp

PESCANOVA

Tetra Pak

Recipharm
good for business

Ventilation and refrigeration

VERTIV

Parker

Swegon

GEBI

kide

TROX TECHNIK
The art of handling air

arneg

Keyter

WoodWorking

IKEA

ALF

BRUGNOTTO
GROUP

PIANCA

Aredo3

ernestomeda

TECNOFORM

Valcucine

Industrial Machines

+GF+
GEORG FISCHER

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Certains de nos clients

Services



Healthcare



Construction Components



Coachworks



HandTools



Public Sector



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