

macchine,
impianti e
robotica per
l'industria.

INDUSTRY-SPECIFIC
MACHINES,
PLANTS AND ROBOTICS.



F E E L T E C H N O L O G Y

2ND edition



automazione
dal **1979**

AUTOMATION SOLUTIONS
SINCE 1979



Le nostre radici, il valore dell'innovazione.

OUR ROOTS, THE VALUE OF INNOVATION.

Noi di United Symbol dal 1979 operiamo nel campo della Automazione Industriale, della Robotica e dei Fine Linea nelle più svariate configurazioni produttive.

FLESSIBILITÀ PROGETTUALE ED UNO STAFF TECNICO COMPETENTE SONO I PUNTI DI FORZA CHE CI CONSENTONO DI **OFFRIRE SOLUZIONI EFFICIENTI SU MISURA.**

Since 1979, United Symbol has specialised in Industrial Automation, Robotics and End-of-Line Systems in the most varied production configurations.

DESIGN FLEXIBILITY AND A COMPETENT TECHNICAL STAFF ARE OUR KEY STRENGTHS ALLOWING US TO **OFFER EFFICIENT CUSTOM-MADE SOLUTIONS.**

guarda il video
istituzionale
watch the
corporate video



I nostri
servizi,
una
garanzia
per il
cliente.

OUR SERVICES,
A GUARANTEE FOR
OUR CLIENTS.



**PROGETTAZIONE
MECCANICA SU MISURA**
Custom-made
mechanical designing



**PROGETTAZIONE
HARDWARE & SOFTWARE**
Hardware & Software
Engineering



BREVETTI
Patents



TECNICI SPECIALIZZATI
Skilled technicians



TRAINING
Training



INSTALLAZIONE
Installation



**PRODUZIONE &
ASSEMBLAGGIO**
Manufacturing &
Assembling



ASSISTENZA
Customer
Service & Support



ASSISTENZA CON TECNOLOGIA DI ULTIMA GENERAZIONE
Assistance by means of state-of-the-art technology
SCOPRI DI PIÙ A PAGINA 60
Find out more on page 60

Tutte le competenze per offrire un servizio efficiente, ovunque.

SKILLS, KNOW-HOW AND EXPERTISE TO OFFER AN EFFICIENT SERVICE, ALL ROUND.

United Symbols si circonda di partner selezionati per garantire al proprio cliente un servizio a 360° studiando assieme a loro soluzioni complete e pronte ad integrarsi nel contesto industriale dei clienti.

United Symbol can count on selected partners to guarantee a comprehensive service studying together with the customer all round solutions which can instantly be integrated into the customer's industrial framework.



LA NOSTRA PRESENZA NEL MONDO
OUR WORLDWIDE PRESENCE

Siamo nati in Italia, ma ci sentiamo parte del mondo.
Siamo presenti in oltre 30 Paesi.

Our company was established and is based in Italy, anyway we are part of the world with a global footprint, covering over 30 countries.

4 le nostre divisioni d'eccellenza, molteplici campi applicativi.

OUR **4** DIVISIONS OF EXCELLENCE OPERATE IN DIFFERENT SECTORS AND PROCESSES.



Quattro Divisioni racchiudono tutta la nostra esperienza, per rispondere al meglio alle esigenze del mercato con soluzioni innovative e mirate in base al settore specifico.

These four divisions include all our know-how and experience, thus allowing us to best meet customers' needs by means of innovative and targeted solutions especially developed according to the fields of application.



1

Robotica e fine linea

AVATAR
PALLETIZING CELL

ROBOTICS AND
END-OF-LINE
AUTOMATION



Crediamo nell'innovazione: ne abbiamo le prove!

WE BELIEVE IN THE POWER OF INNOVATION: WE HAVE PROOF OF IT !

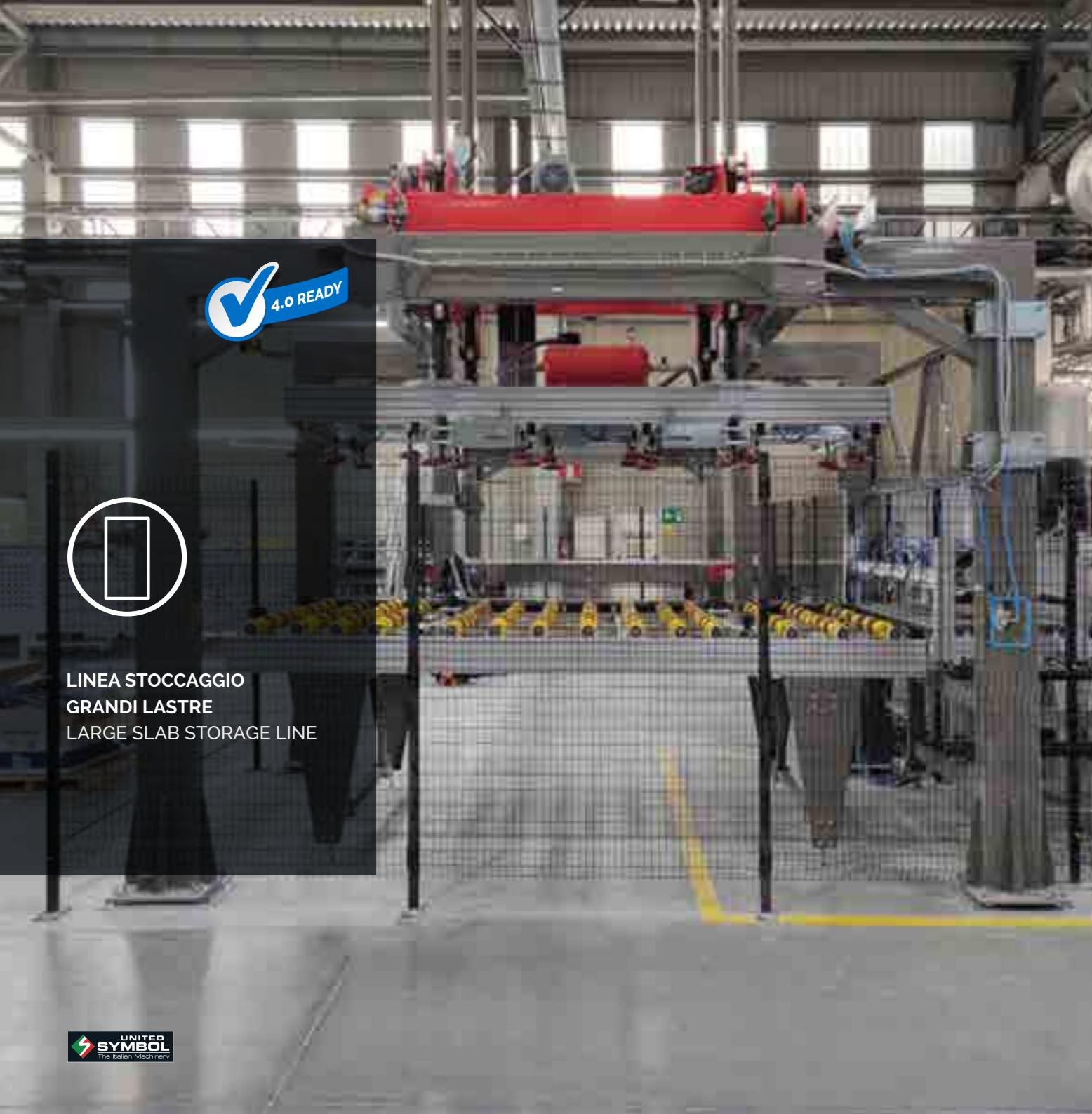
Flessibilità, ripetibilità, precisione. La molteplicità di utilizzi dei robots e la loro versatilità consente di sviluppare sistemi automatizzati che permettono di **velocizzare i tempi del ciclo produttivo, perfezionare i cicli di lavoro, ottimizzare costi e spazi** all'interno delle aree di lavoro esistenti.

GRAZIE ALLA COLLABORAZIONE CON PARTNERS, LEADERS MONDIALI NELLA PRODUZIONE DI ROBOTS ANTHROPOMORFI E ROBOTS COLLABORATIVI, ABBIAMO REALIZZATO SISTEMI INNOVATIVI.

Flexibility, repeatability, precision. The manifold uses of robots and their versatility allow to develop benefit-oriented automated systems aimed at improving the processing cycles, and optimizing costs and spaces within existing work areas.

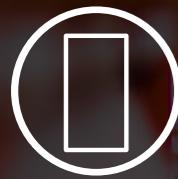
THANKS TO A PARTNERSHIP WITH WORLDWIDE LEADING MANUFACTURERS OF ANTHROPOMORPHIC ROBOTS AND COLLABORATIVE ROBOTS, WE WERE ABLE TO CREATE INNOVATIVE SYSTEMS.



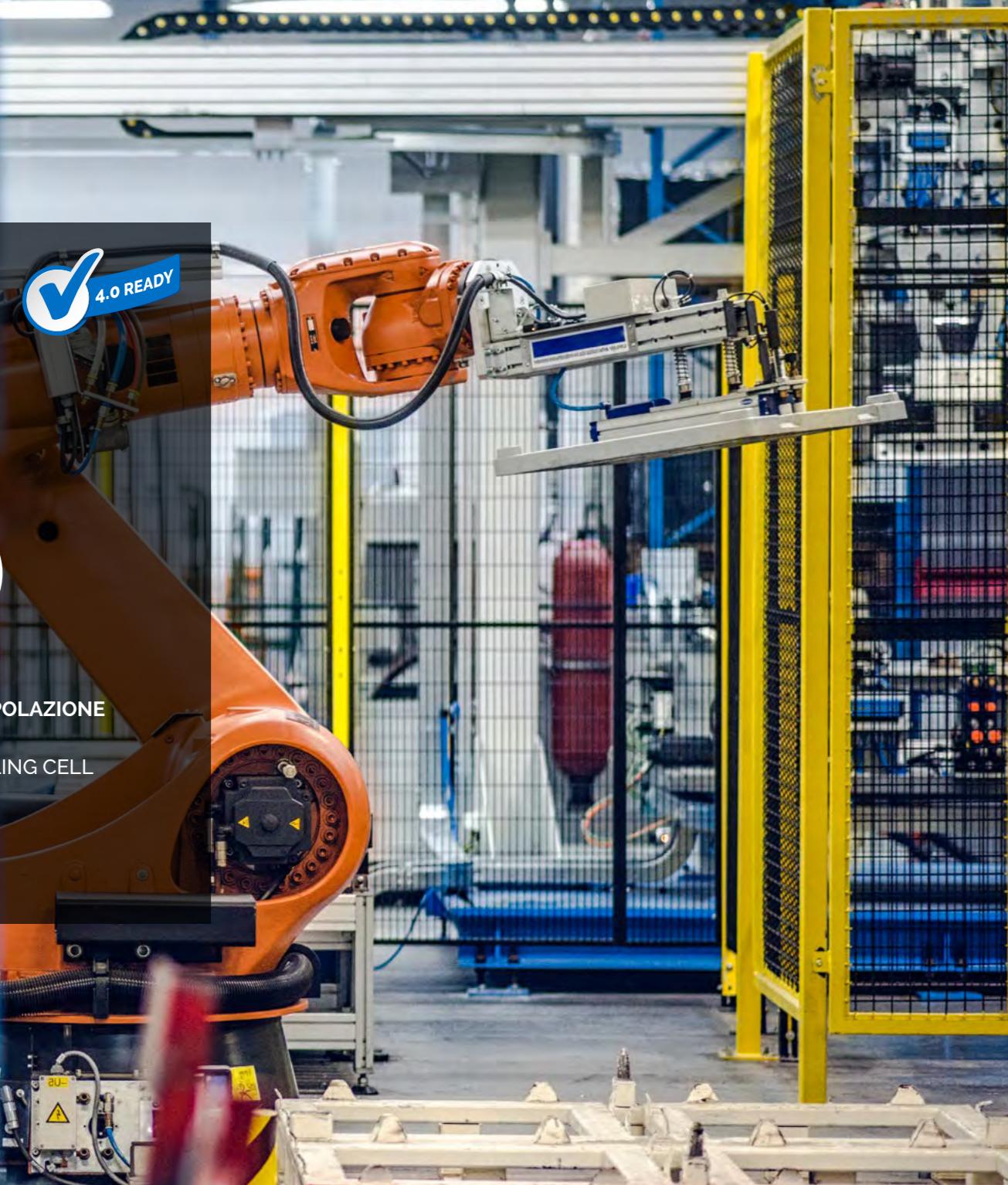


guarda il video
dell'impianto in funzione
watch the video
of the system in operation

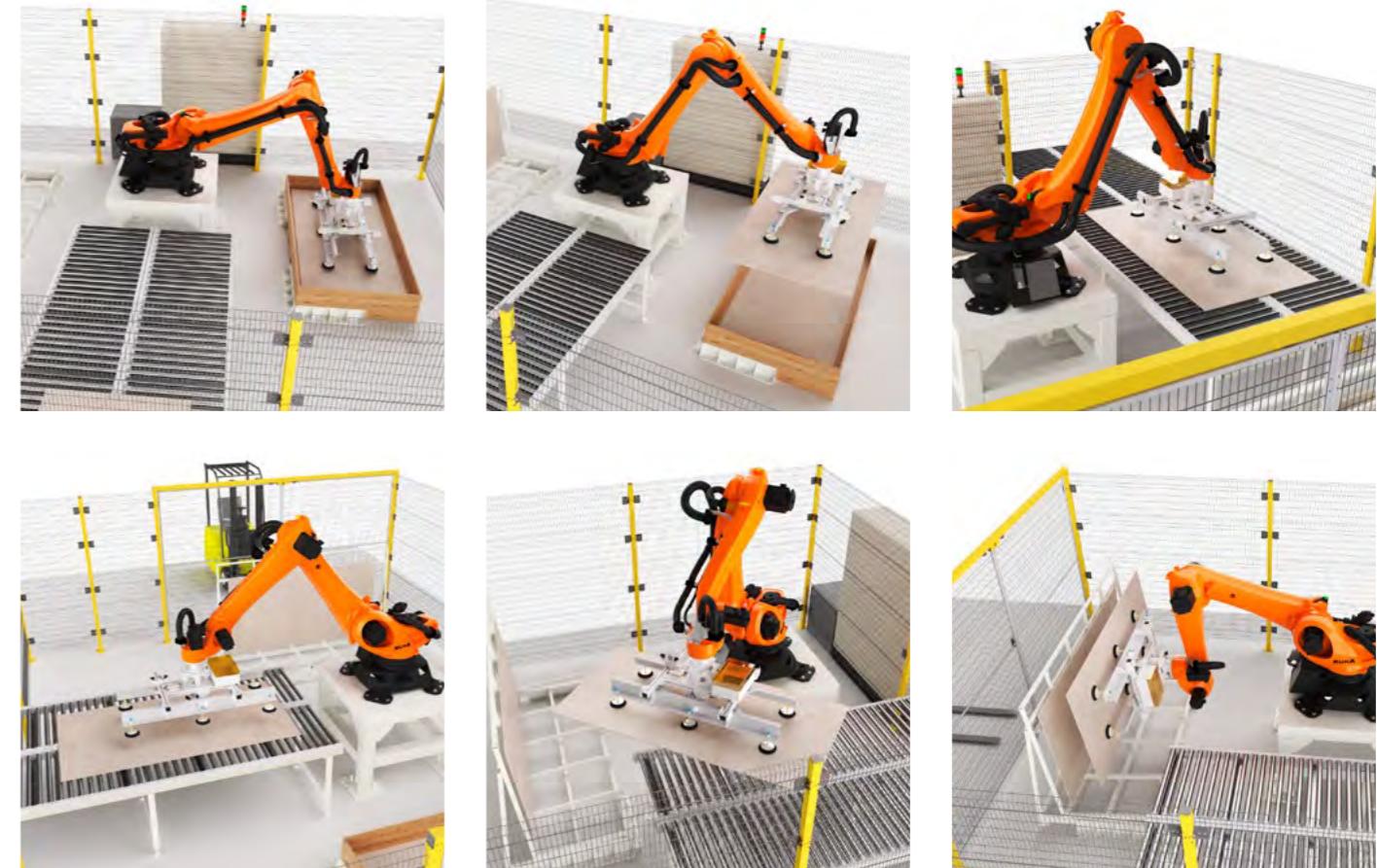


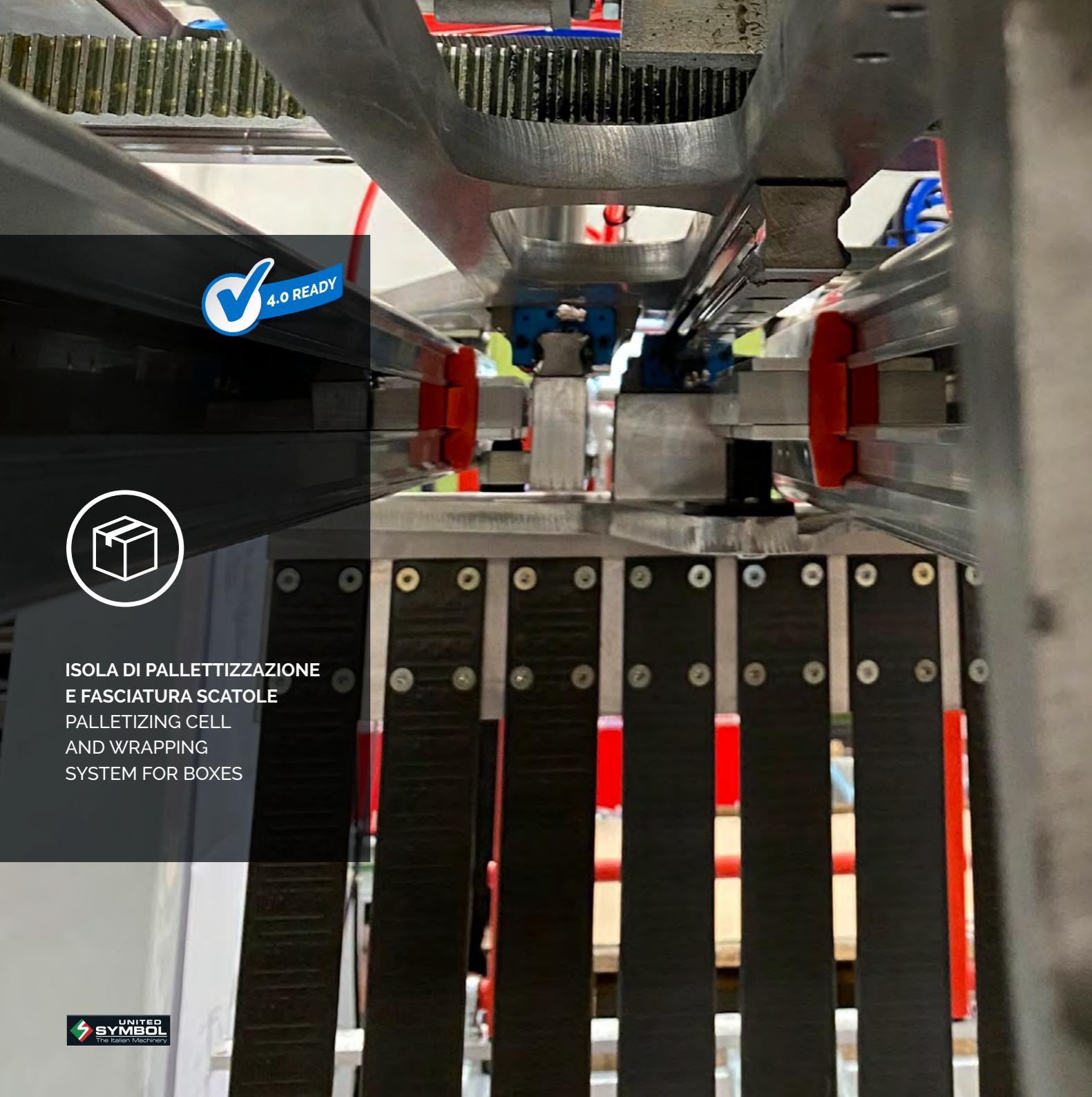


ISOLA MANIPOLAZIONE
LASTRE
SLAB HANDLING CELL



guarda i video
dell'impianto in funzione
watch the videos
of the system in operation



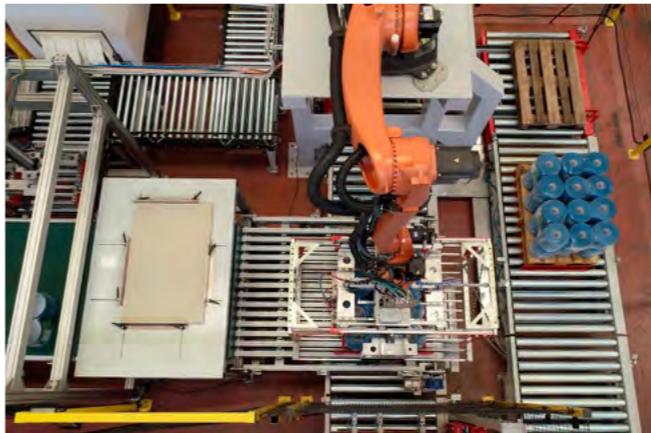
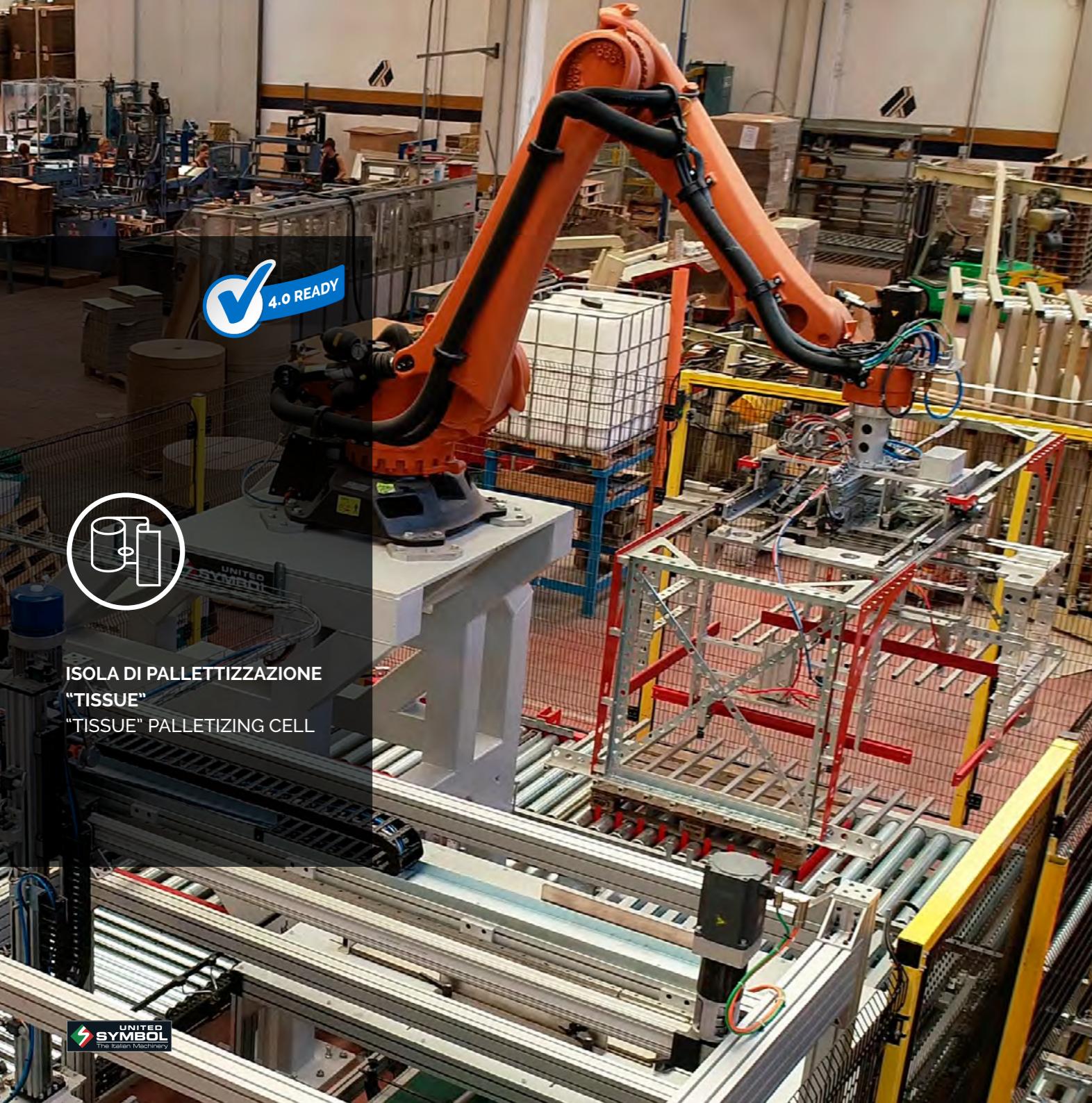


ISOLA DI PALLETTIZZAZIONE
E FASCIATURA SCATOLE
PALLETIZING CELL
AND WRAPPING
SYSTEM FOR BOXES

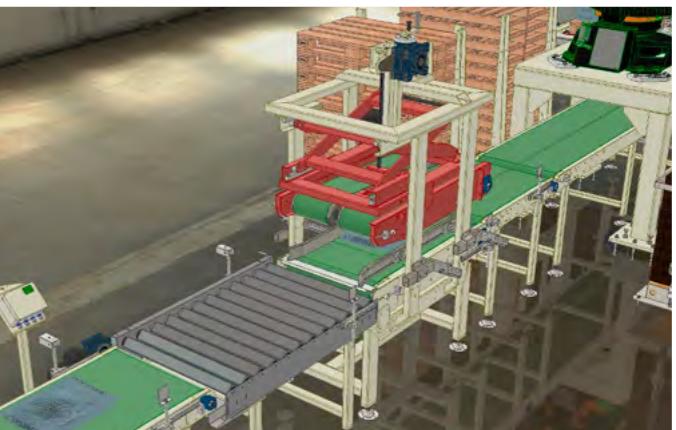
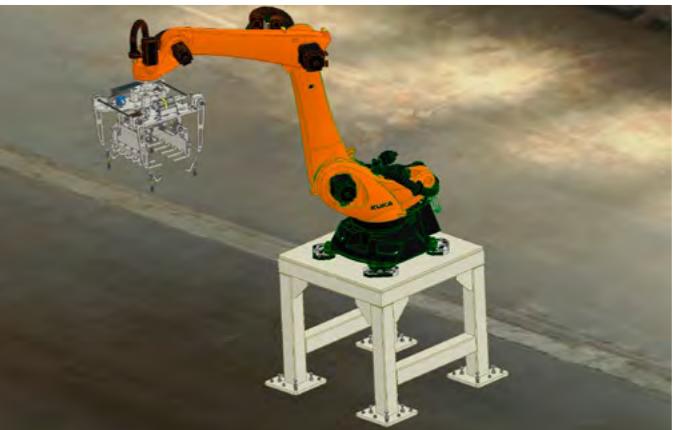
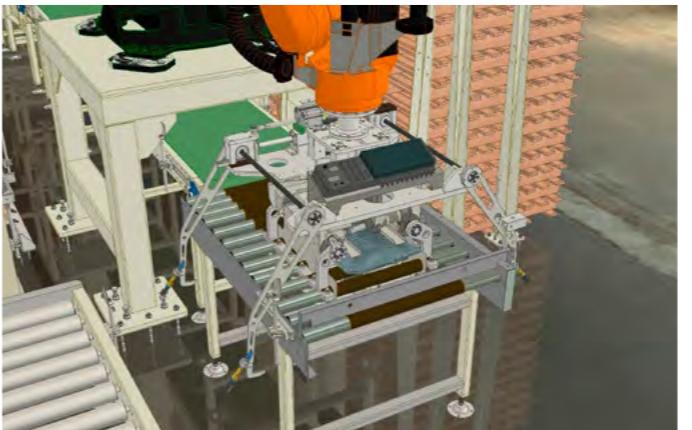
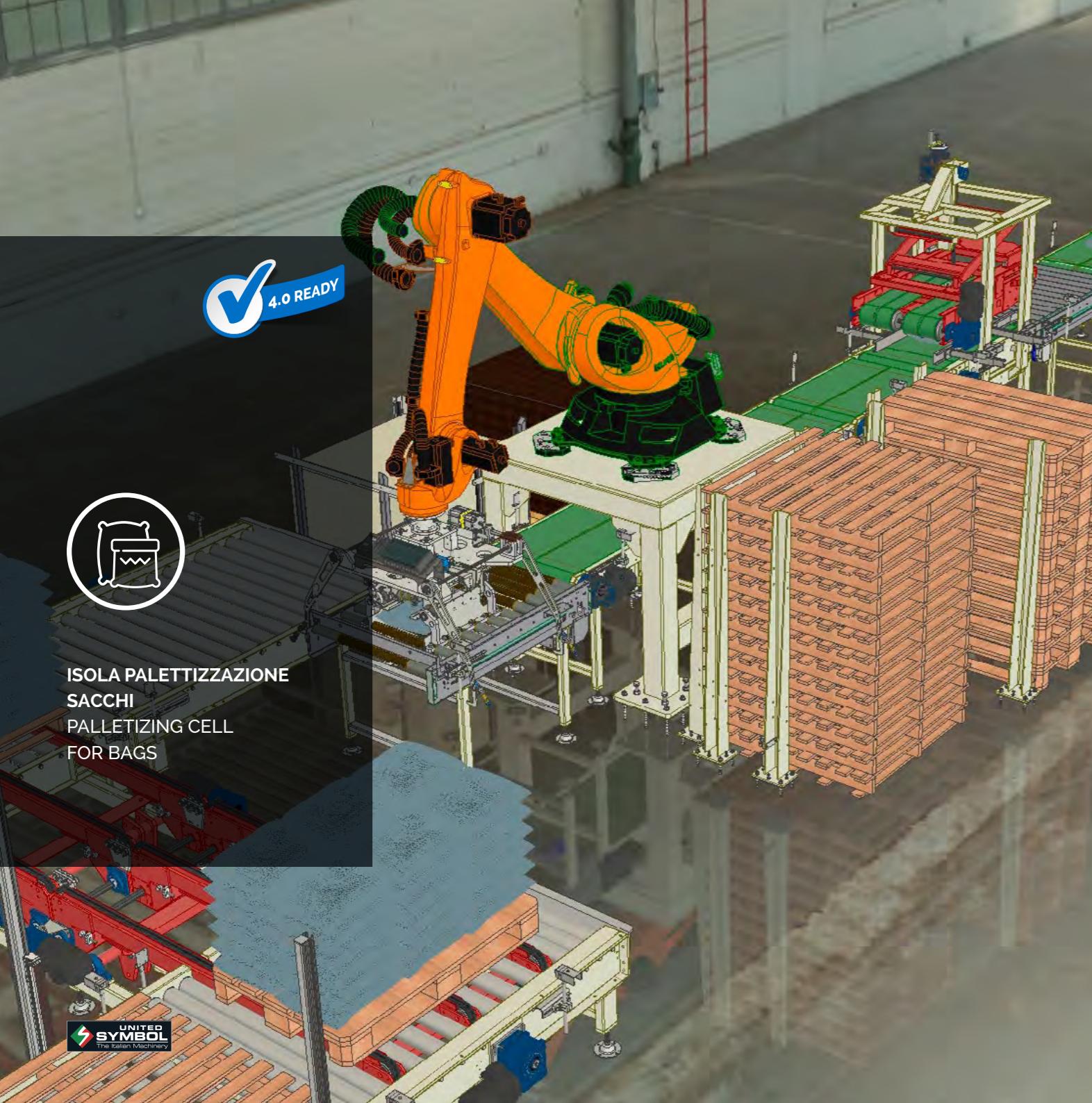


guarda il video
dell'impianto in funzione
watch the video
of the system in operation

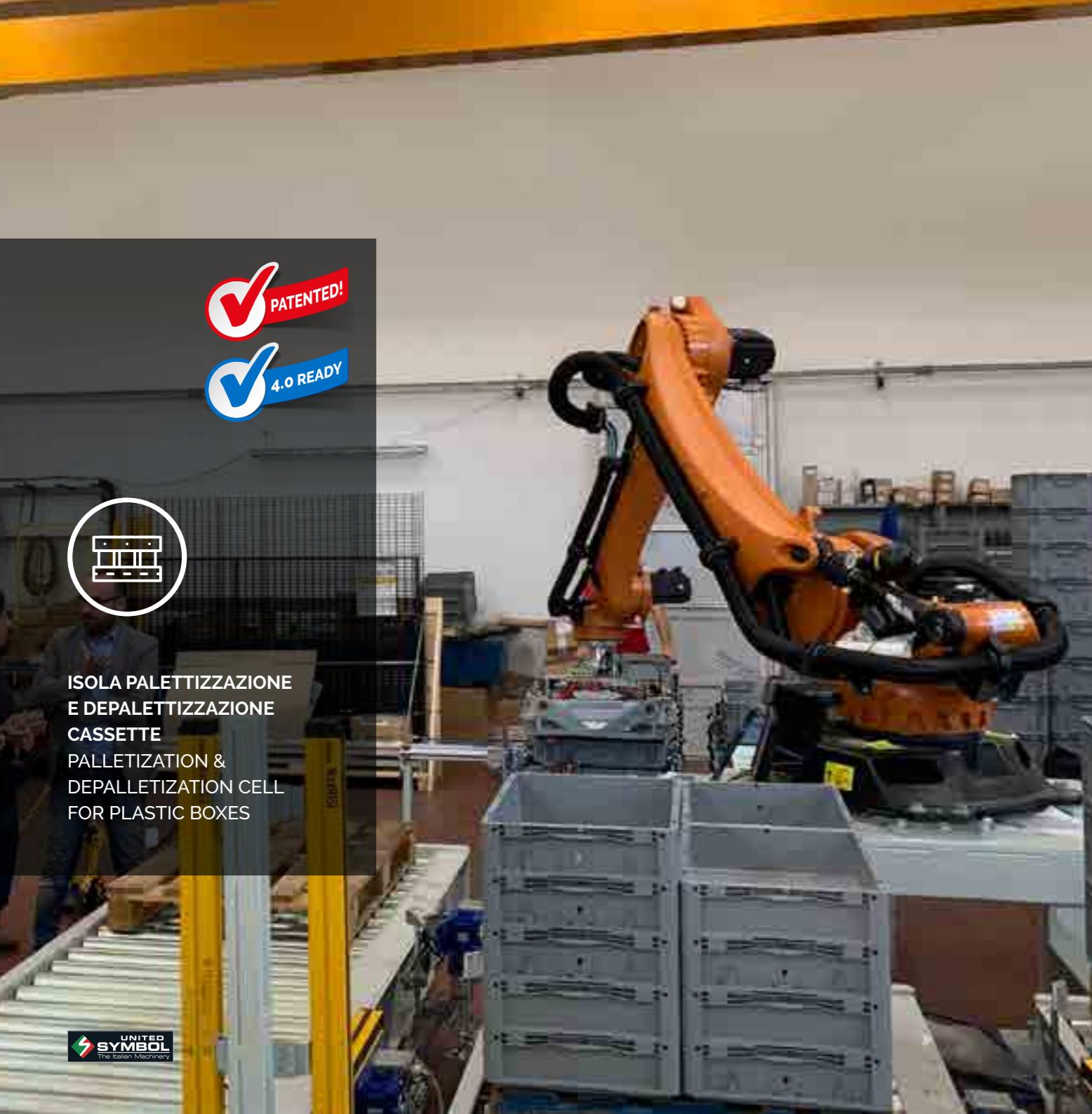




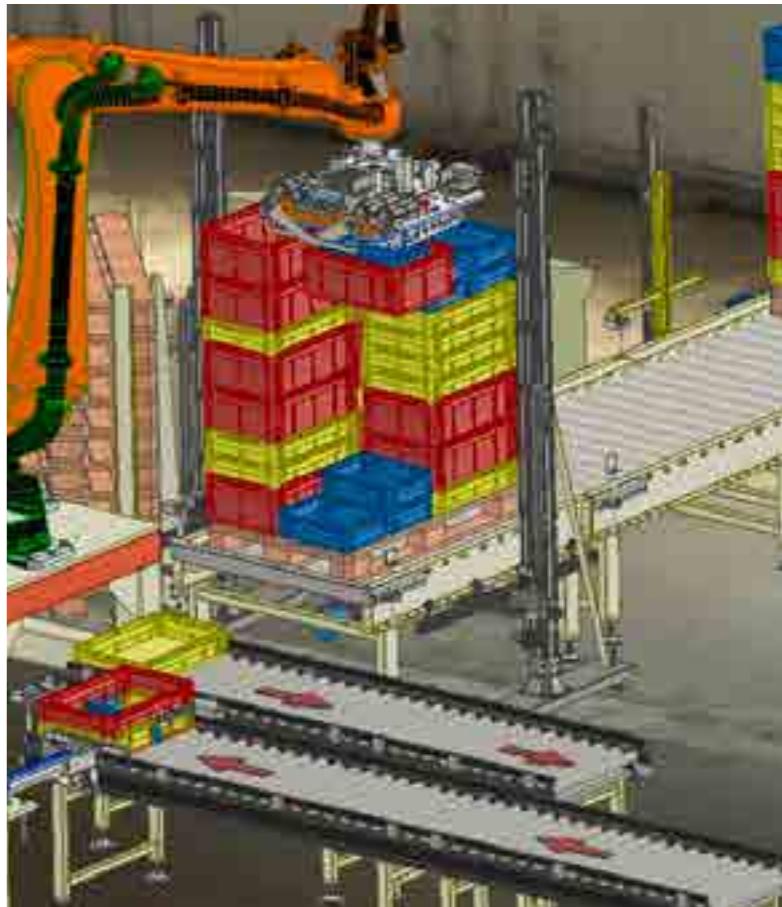
guarda il video
dell'impianto in funzione
watch the video
of the system in operation



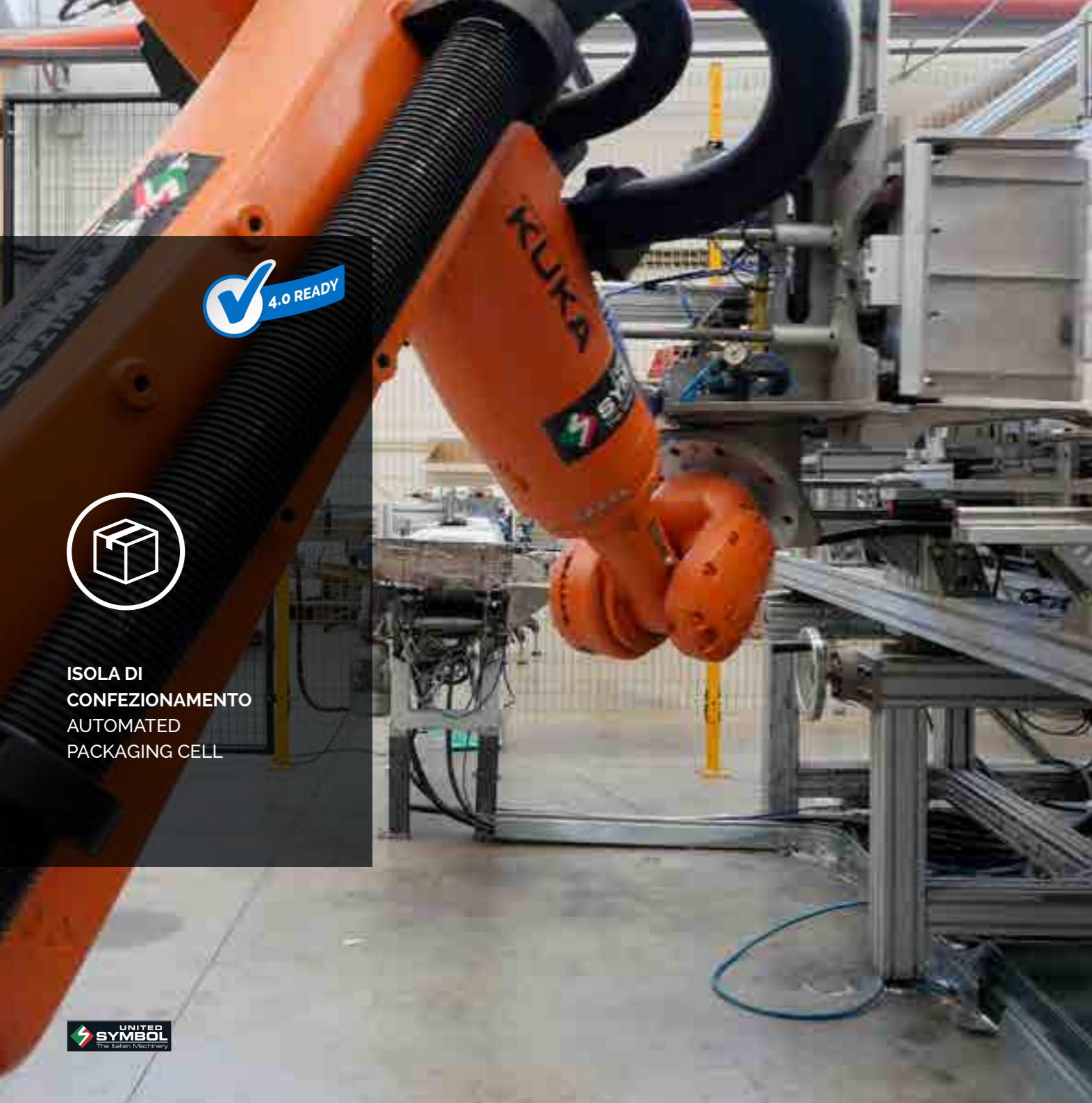
guarda il video
dell'impianto in funzione
watch the video
of the system in operation



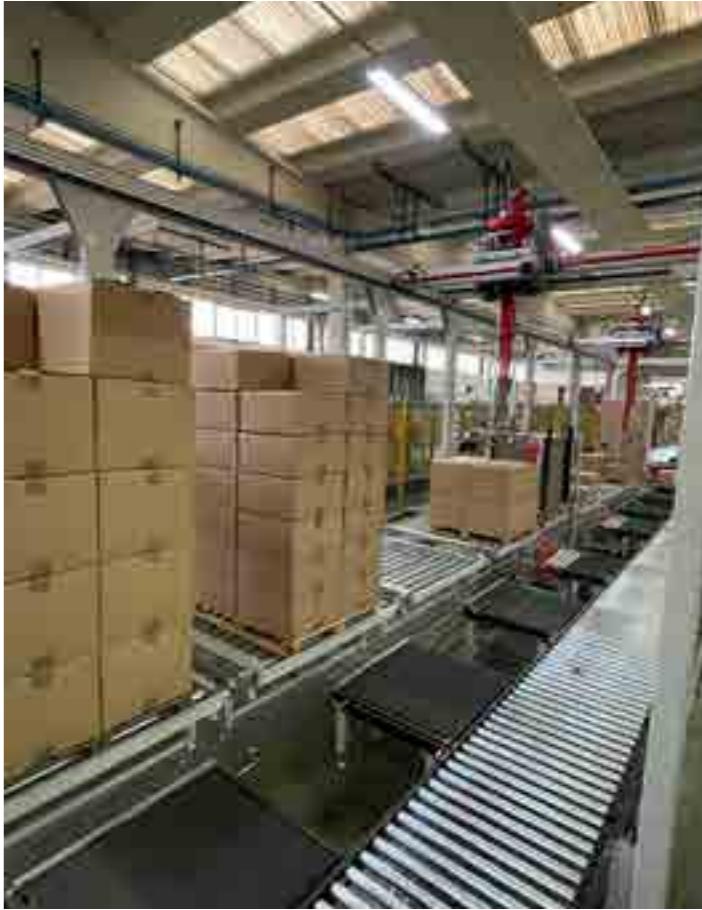
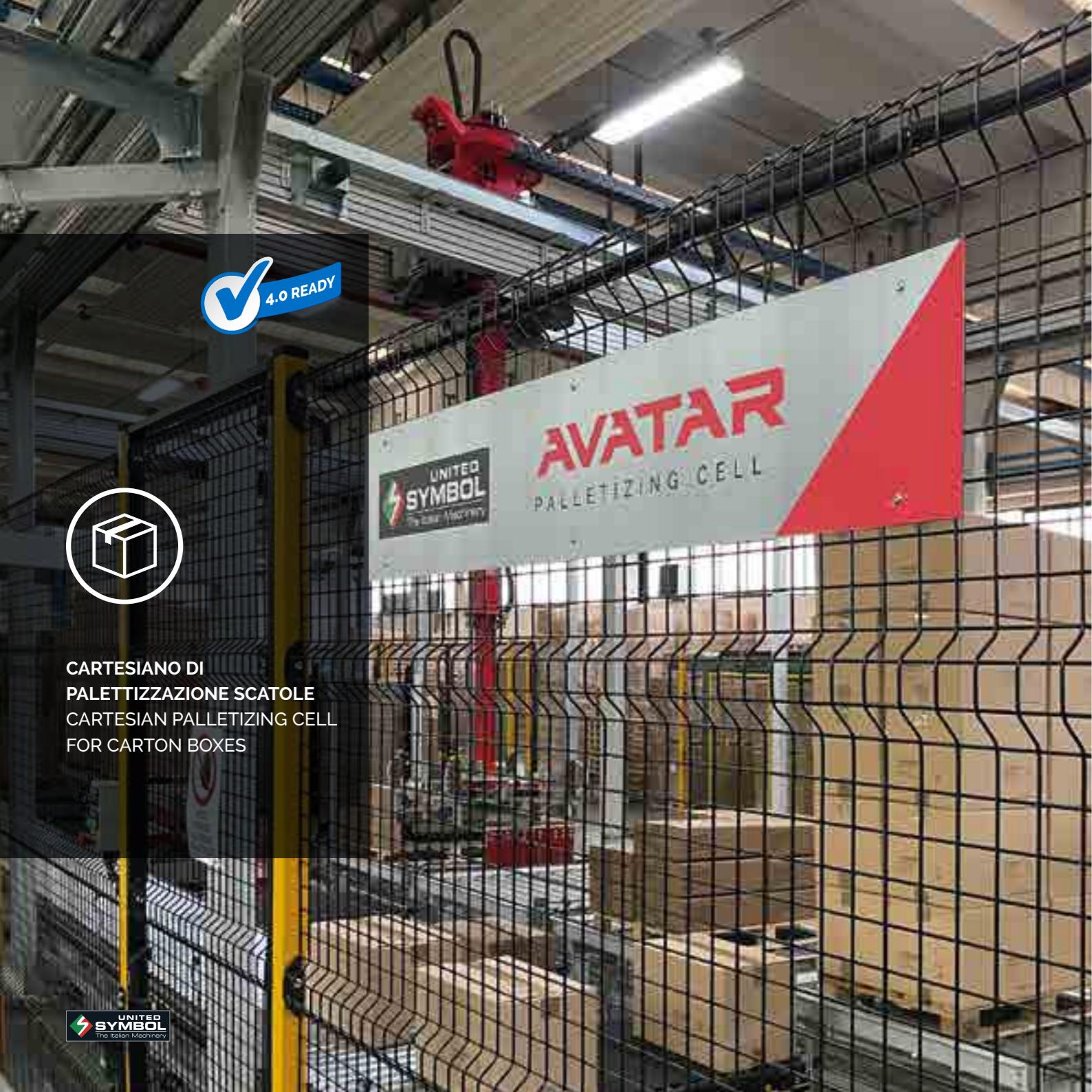
guarda il video
dell'impianto in funzione
watch the video
of the system in operation







guarda il video
dell'impianto in funzione
watch the video
of the system in operation





CARTESIANO DI
PALETTIZZAZIONE SCATOLE
CARTESIAN PALLETIZING CELL
FOR CARTON BOXES



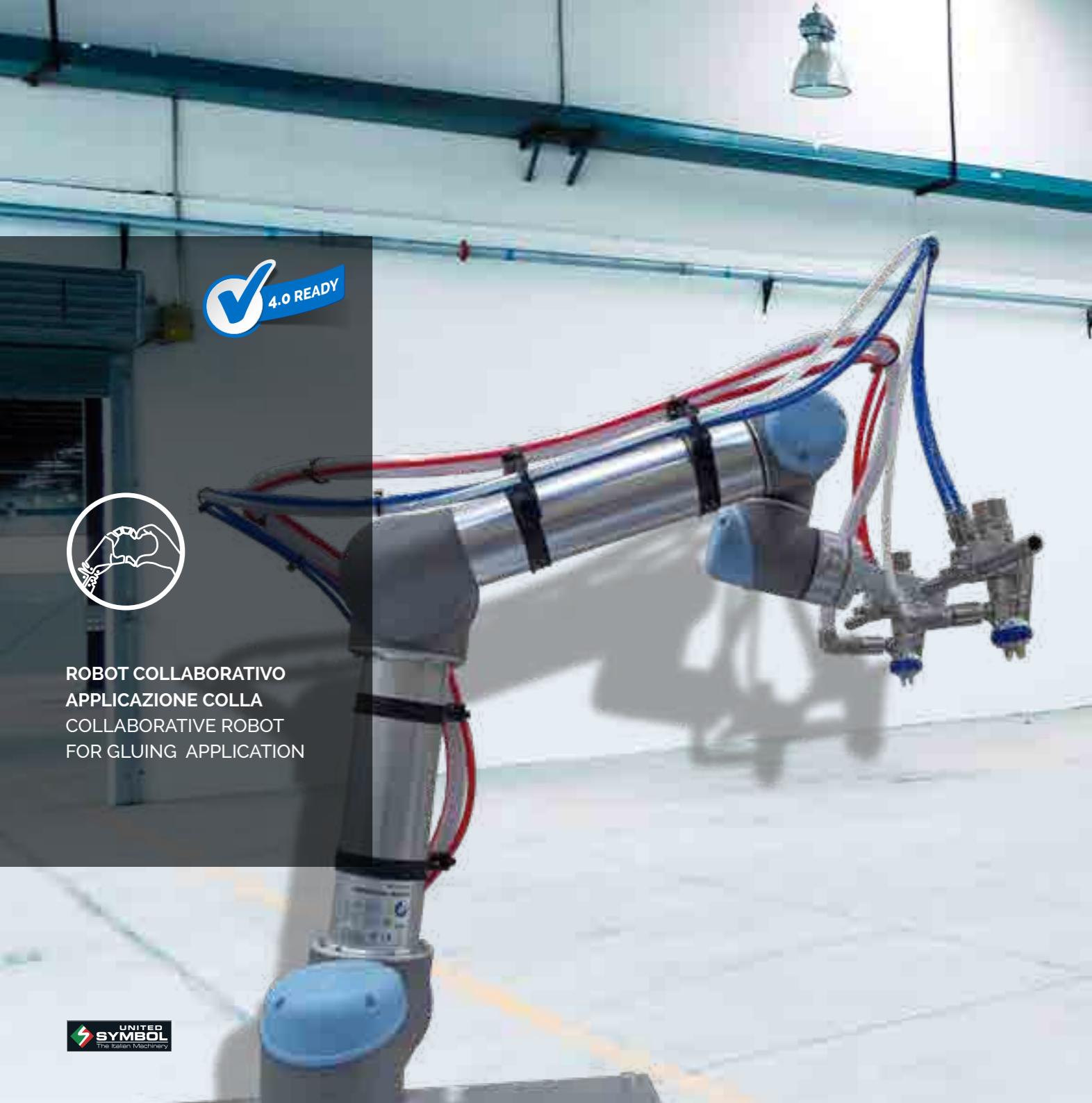
guarda il video
dell'impianto in funzione
watch the video
of the system in operation







guarda il video
dell'impianto in funzione
watch the video
of the system in operation





ISOLA CARICO E SCARICO
FORNO ROTATIVO
LOADING & UNLOADING CELL
FOR ROTARY KILN

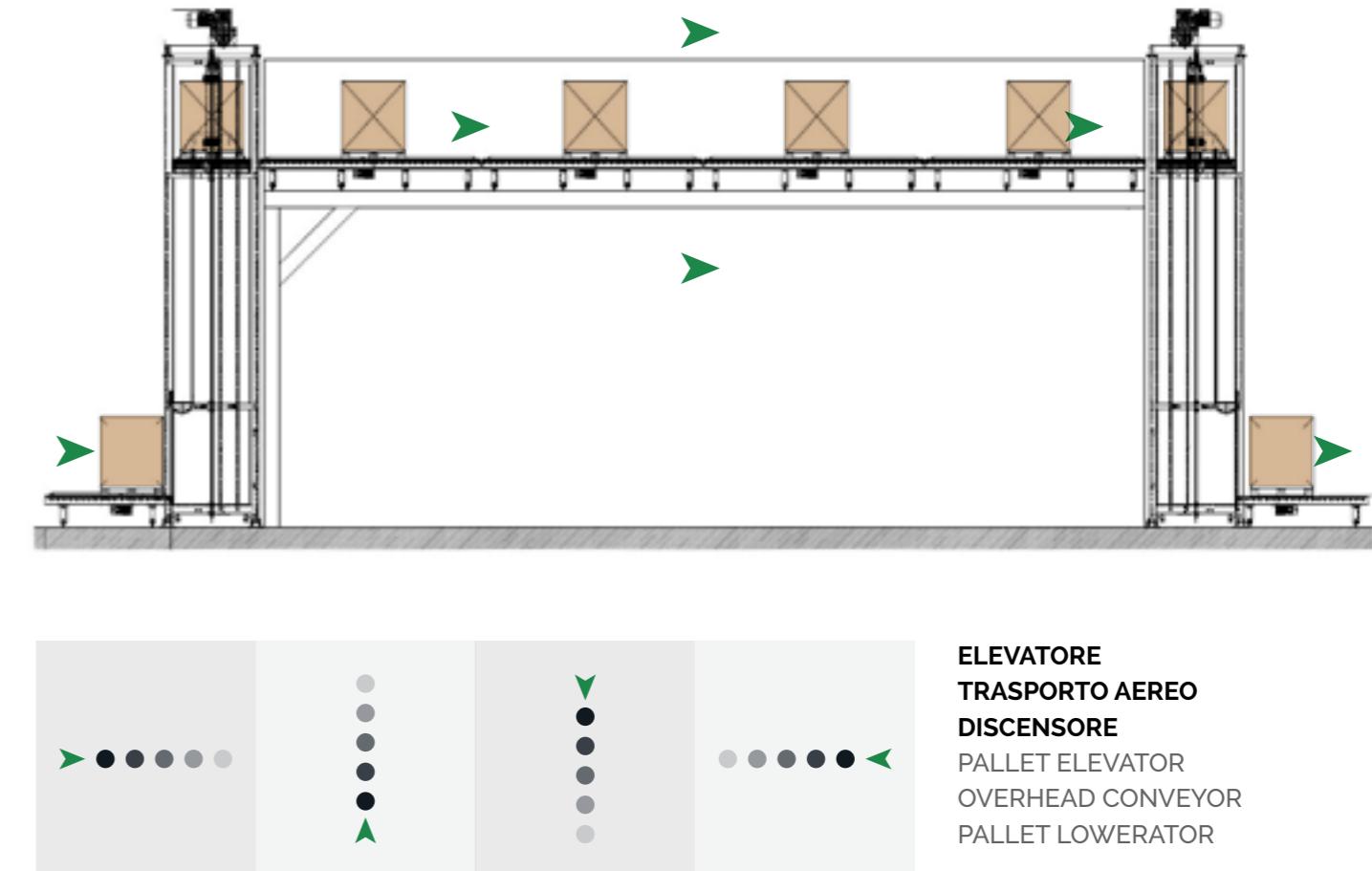


guarda il video
dell'impianto in funzione
watch the video
of the system in operation





SOLUZIONI DI
LOGISTICA AEREA
OVERHEAD LOGISTICS
SOLUTIONS



ELEVATORE
TRASPORTO AEREO
DISCENSORE
PALLET ELEVATOR
OVERHEAD CONVEYOR
PALLET LOWERATOR

FORM-UP

un software costruito per essere dalla tua parte

A SOFTWARE DEVELOPED TO BE ON YOUR SIDE



Form-up: la logica che
migliora l'efficienza.

FORM-UP: LOGIC BEHIND EFFICIENCY IMPROVEMENTS.

Sofwtare di formatura pratico e intuitivo
per ottenere un carico pallet ottimale
e una perfetta OTTIMIZZAZIONE
DELLO SPAZIO.

Practical and intuitive configuration
software to achieve an optimal
pallet loading and PERFECT SPACE
OPTIMIZATION.

2

Manipolatori

MANIPULATORS



Semplicità e praticità,
la chiave di tutto.

SIMPLICITY AND PRACTICALITY, THE KEY TO EVERYTHING.

Comandi essenziali, movimenti fluidi, per assecondare l'operatore senza sforzo, in massima sicurezza, sono i punti cardine nella progettazione e produzione dei manipolatori industriali, la chiave del nostro successo.

SCOPRI LA GAMMA COMPLETA.

Main controls, fluid movement, to support the operator effortlessly, under maximum safety conditions: these are the cornerstones used in designing and manufacturing industrial manipulators, the key to our success.

DISCOVER OUR FULL RANGE.



EASY



guarda
il video
watch
the video



ALL-RANGE



guarda
il video
watch
the video



**MANIPOLATORI
SEMI-AUTOMATICI
SEMI-AUTOMATIC
MANIPULATORS**



LARGE



guarda
il video
watch
the video



SLAB



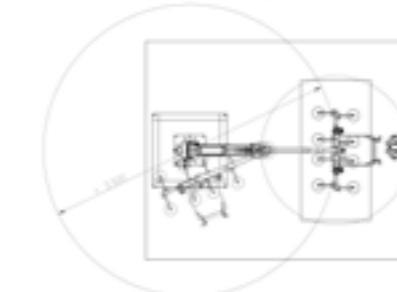
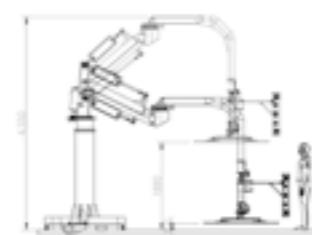
guarda
il video
watch
the video

manipulators // OUR PRODUCTS

PANTONE



**MANIPOLATORE CON BRACCIO A PANTOGRAFO
PER ASSERVIMENTO CENTRI DI LAVORO.**
MANIPULATOR WITH PANTOGRAPH ARM
FOR CNC MACHINES TENDING.



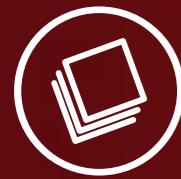
manipulators // OUR PRODUCTS



ARTO



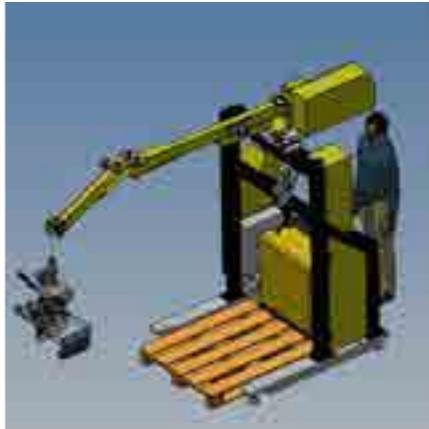
guarda
il video
watch
the video



MANIPOLATORI
MANIPULATORS

PINCO TRONIC

MANIPOLATORE SEMOVENTE
PER OPERAZIONI DI
PICKING DINAMICO.
MOBILE MANIPULATOR FOR
DYNAMIC PICKING OPERATIONS.



guarda il video
dell'impianto in funzione
watch the video
of the system in operation

3



Impianti per laterizi e ceramica estrusa, strutturale 4.0

PLANTS FOR BRICKS AND EXTRUDED, STRUCTURAL CERAMIC MATERIAL, INDUSTRY 4.0

guarda il video
dell'impianto in funzione
watch the video
of the system in operation



Impianti su misura per ogni specifica necessità.

CUSTOM-MADE PLANTS AND SYSTEMS TO MEET ANY SPECIFIC NEEDS.

I processi produttivi all'interno degli impianti per la produzione dei laterizi e nell'industria ceramica estrusa/strutturale richiedono specifiche caratteristiche di flessibilità, resistenza, durevolezza, oltre a particolare cura in ogni fase di manipolazione, lavorazione e confezionamento.

E' QUINDI INDISPENSABILE IN QUESTO SETTORE ADOTTARE SOLUZIONI APPositamente Pensate, capaci di adattarsi ai materiali, allo stato dell'arte dell'industria e alle necessità commerciali del mercato di riferimento.

Production processes in plants for manufacture of bricks and extruded or structural ceramic products require flexibility, strength, durability, as well as a great attention during handling, processing, and packaging.

IT IS THEREFORE ESSENTIAL TO OPT FOR SPECIFICALLY DESIGNED SOLUTIONS, IN THIS SECTOR, ABLE TO ADAPT TO THE MATERIALS, TO THE STATE OF THE ART OF THE INDUSTRY AND TO THE COMMERCIAL NEEDS OF THE REFERENCE MARKET.



LATERIZI E CERAMICA
BRICKS AND CERAMIC



LINEE DI TAGLIO
Cutting lines



SISTEMI DI CARICO DEL PRODOTTO SECCO
Dried products loading systems



SISTEMI DI SCARICO DEL PRODOTTO COTTO
Fired product unloading sysytem



SISTEMI DI CARICO DEL PRODOTTO VERDE
Unfired product loading systems



SISTEMI DI CARICO FORNO
Kiln loading systems



SISTEMI DI CONFEZIONAMENTO DEL PRODOTTO FINITO
Finished product packing system



assistenza
con
tecnologia
di ultima
generazione

SMART GLASSES
US VISION



ASSISTANCE BY MEANS OF
STATE-OF-THE-ART
TECHNOLOGY

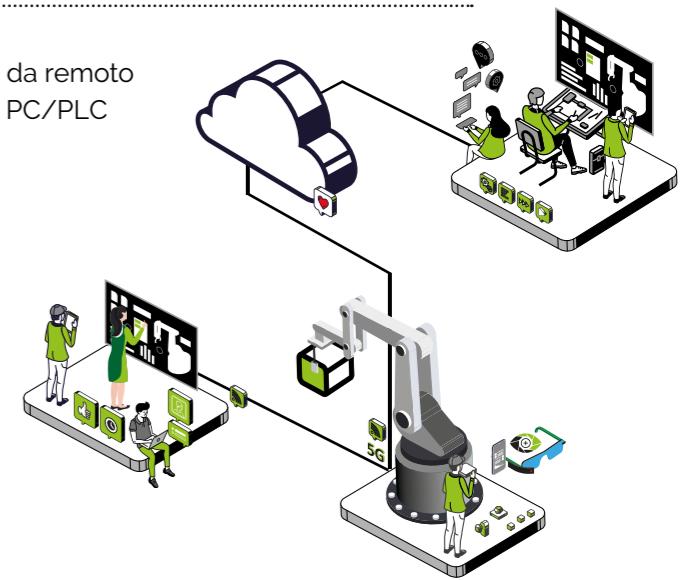


Assistenza Remota Intelligente: la soluzione a portata di mano.

SMART REMOTE ASSISTANCE: THE SOLUTION AT HAND.

- Smart glasses per assistenza diretta da remoto
- Modulo wifi/gsm per teleassistenza PC/PLC
- Servizio dedicato con linea diretta
- **Guida step by step in remoto**

- Smart glasses for direct remote assistance
- WiFi/GSM module for PC/PLC remote assistance
- Direct line for dedicated service
- **Step-by-step remote guide**



4

Attrezzature

EQUIPMENT



Il nostro è vero trasporto
per l'automazione.

OUR CONVEYING SYSTEM IS JUST THE PROPER ONE FOR AUTOMATION.

PROGETTAZIONE E PRODUZIONE
SU MISURA di sistemi di trasporto
automatico per le più svariate
applicazioni, come ad esempio:
carico/scarico di magazzini automatici,
asservimento alle aree di lavoro,
trasporto pallet, scatole, sacchi,
sovrapositori pallet e più in generale
per qualsiasi funzione di stoccaggio
e/o movimentazione di colli standard
o speciali.

CUSTOM-MADE DESIGN AND
DEVELOPMENT of automatic
conveying systems ideal for a variety
of applications, including but not
limited to: loading and unloading
of automated warehouses, tending
to the working areas, conveyors for
pallets, boxes, bags, pallets stacking
systems, and, in general, for storage
and/or handling of standard or special
packages.

SISTEMI
PRENSILI

GRIPPING
TOOLS



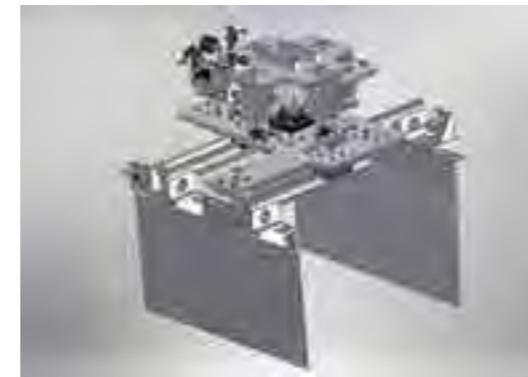
A STRATO
Layers



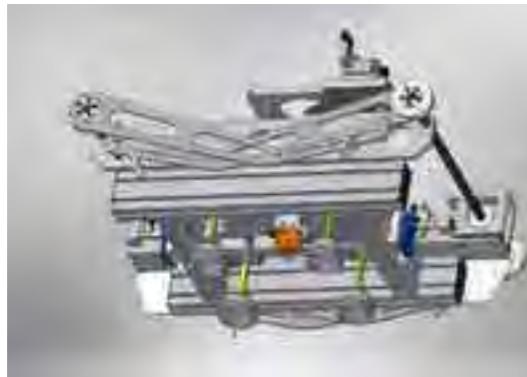
SACCHI
Bags



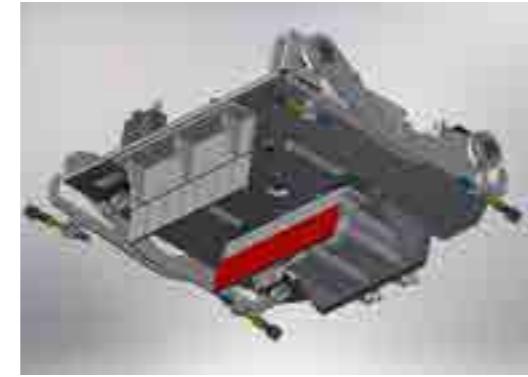
CASSETTE
Plastic storage boxes



FARDELLI
Bundles



SCATOLE
Carton Boxes



BATTERIE
Batteries



TRASPORTATORI A RULLI
Roller conveyors



TRASPORTATORI A CATENA
Chain conveyors



TAVOLE ROTANTI
Rotary tables



DEVIO 90°
90°-degree Deviator



MAGAZZINI PALLET
Pallets stockpile



ELEVATORI E DISCENSORI PALLET
Pallets elevators and lowerators

MOVIMENTAZIONE
PALLET

PALLETS
HANDLING

**MOVIMENTAZIONE
COLLI**

**PACKAGE
HANDLING**



GIRELLO 90°
90°- degree rotary table



TRASPORTATORI A NASTRO
Belt conveyors



RUOTACOLLI
Package turner



AVVOLGITORI
Wrapping machines



ETICHETTATRICI
Labelling machines

ACCESSORI

ACCESSORIES



COMPENSER
Compensator



TRASPORTATORI A RULLI
Roller conveyors



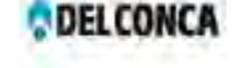
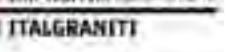
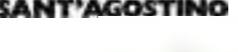
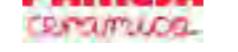
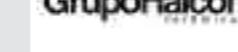
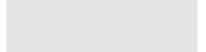
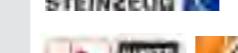
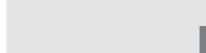
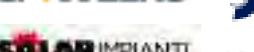
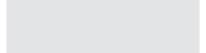
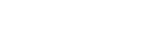
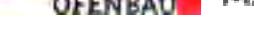
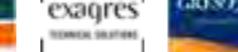
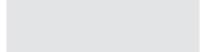
TRASPORTATORI A RETE MODULARE
Modular net conveyor

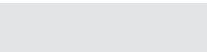
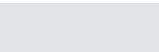
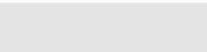
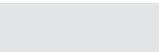


NAVETTA
Shuttle

Principali settori di impiego // **MAIN AREAS OF APPLICATION**

the company // **REFERENCE**

CERAMICO CERAMIC INDUSTRY	AUTOVEICOLI AUTOMOTIVE	ALIMENTI E BEVANDE FOOD AND BEVERAGE	SANITARI SANITARYWARE	
   	 	 		
    	 	 		
  	 			
  	 	 		
 	 			
IMPIANTISTICO PROCESS PLANT ENGINEERING	INDUSTRIA CHIMICA-COLORIFICI CHEMICAL AND PAINT INDUSTRY	LATERIZI E CERAMICA ESTRUSA BRICKS AND EXTRUDED CERAMIC INDUSTRY	ENERGIE RINNOVABILI RENEWABLE ENERGY	CARTA E TESSUTO TISSUE AND NONWOVEN
 	 	 		
 	 	 	 	
 	 		 	
 	 	 		
 		 		

AUTOVEICOLI AUTOMOTIVE	ALIMENTI E BEVANDE FOOD AND BEVERAGE	SANITARI SANITARYWARE
 	 	
 	 	
	 	
 	 	
 	 	
 		
		
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