



**ITALPLANT**

P R E C I S I O N T R A N S F E R S Y S T E M S

[italplant.com](http://italplant.com)

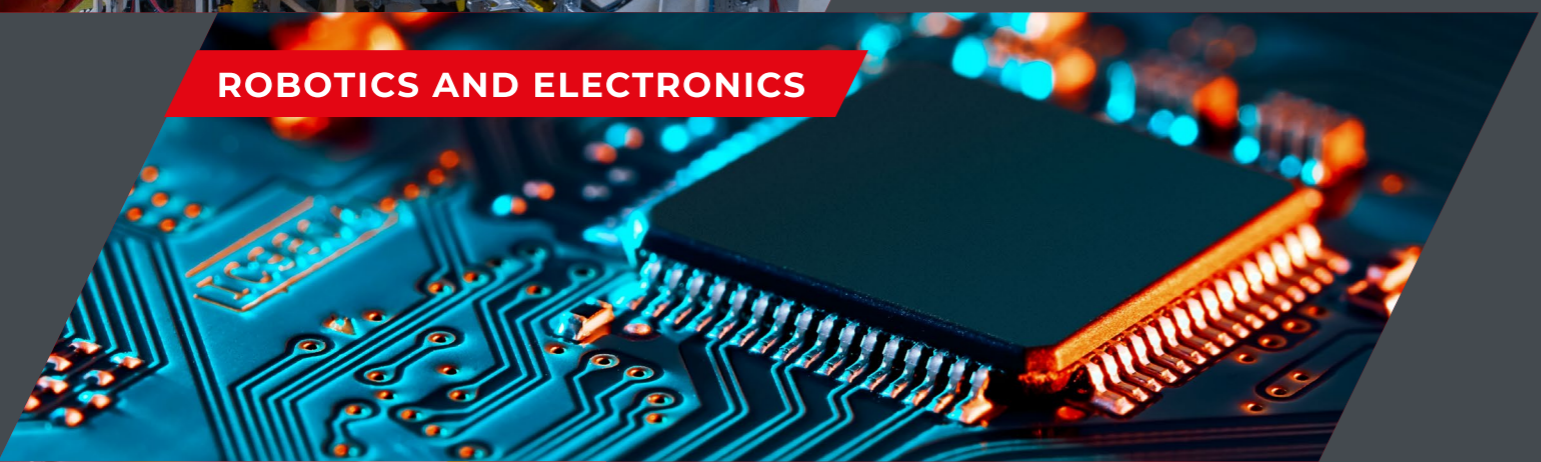
**MEDICAL AND  
PHARMACEUTICAL**



**AUTOMOTIVE**



**ROBOTICS AND ELECTRONICS**



**PACKAGING**



**FOOD**



# OUR PATH

SOME MILESTONS IN OUR HISTORY

**1981**

Foundation of Italplant S.r.l.

**1983**

Offices in via Gonin

**1986**

Beginning of the collaboration with Manifold

**1989**

Beginning of the production of globoidal cam mechanism and the collaboration with Camco

**1990**

Production of Precision Link Conveyor starts

**2007**

Product launch of the integrated Safety Output Torque Limiter

**2008**

Expansion of the production area

**2017**

Product launch of IRC for Industry 4.0

**2019**

Doubling of globoidal cams production capacity

**2021**

Office Extension and new exhibition area

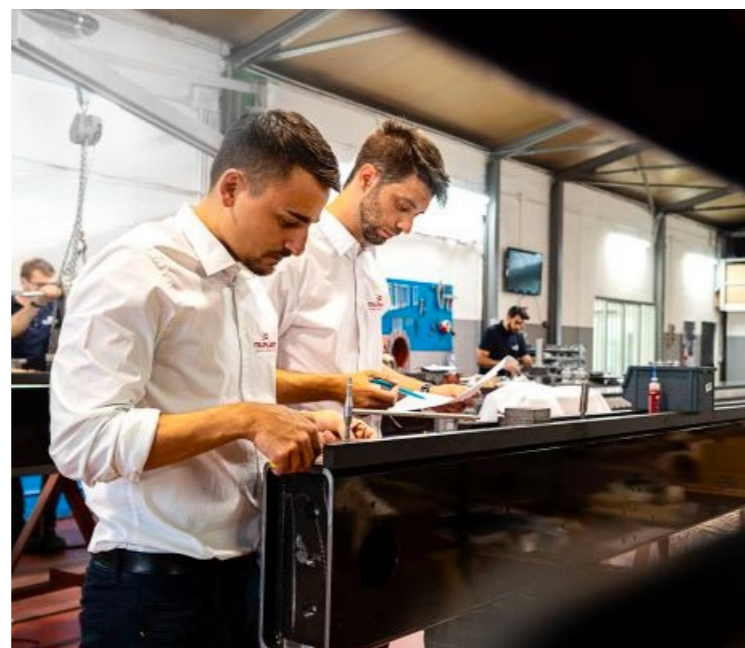
**2022**

Launch Revomotion 600

**2023**

Launch Precision Trak Conveyor

**MORE THAN 40 YEARS  
OF EXPERIENCE IN THE FIELD  
OF PRECISION ROTARY AND  
LINEAR TRANSFER  
MECHANISMS SUMMARIZED  
IN 6 WORDS :**



## **EXPERIENCE**

Italplant has been producing cam transfer mechanisms for over 40 years, present in any market sector with a wide range of products

## **FLEXIBILITY**

A fast and efficient engineering that supports the customer in the selection and development of the standard or customized product

## **PERFORMANCE**

Unique in the world, set limits, ours is a continuous search to bring us new ones

## **SUPPORT**

We constantly support our customers from the choice of the product to the set up of the machine. Cordiality and transparency are values that accompany us constantly

## **PRECISION**

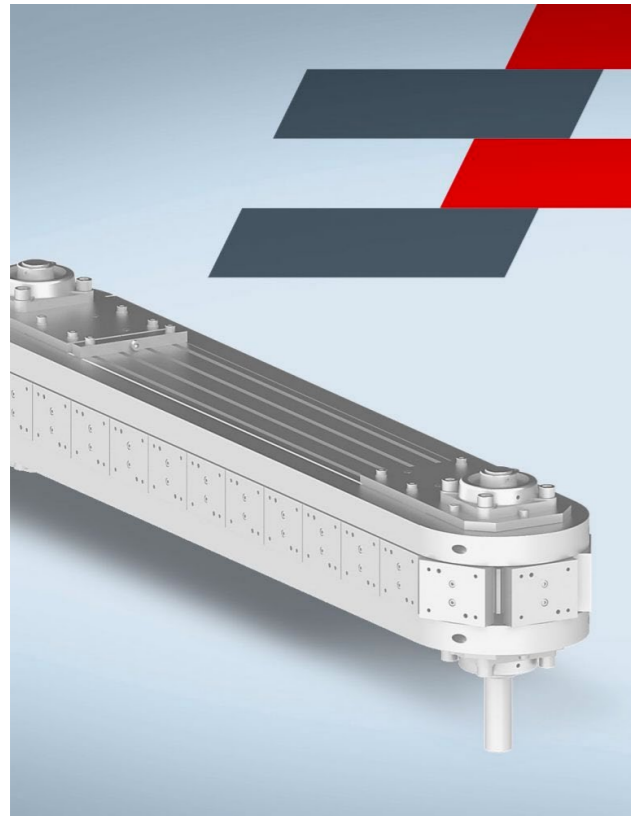
Hundredths of a millimeter are our daily lives, our results are proof of this

## **RELIABILITY**

The care and choice for the construction of the components leave nothing to chance, our products are the heart of the automatic machines, guaranteeing their long life is our priority: we are 9001 certified



# PRECISION CONVEYOR



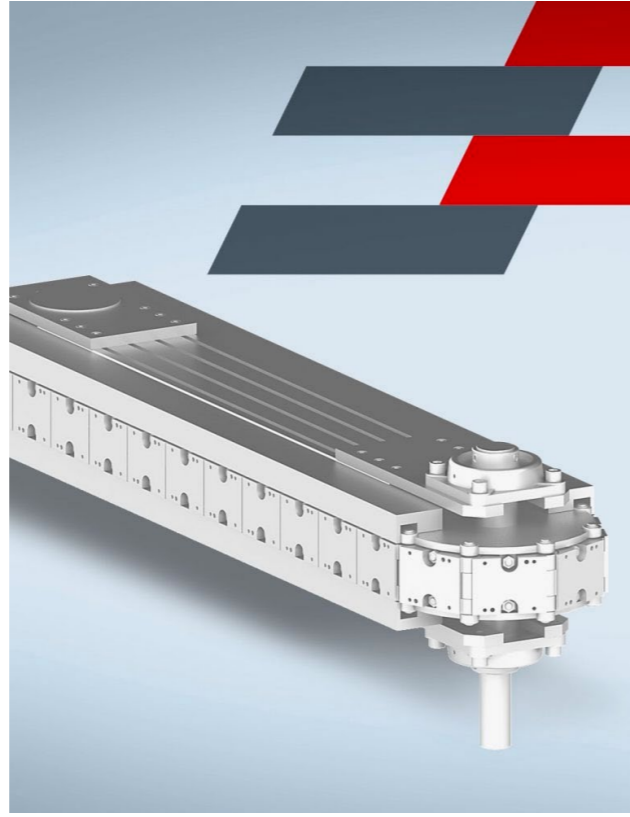
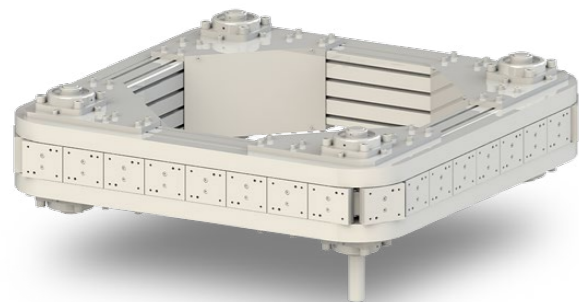
## PRECISION BELT CONVEYOR

### PRECISION BELT CONVEYOR PATENTED

Simple, consisting of a tensioned timing belt, products suitable for market sectors where good dynamics and precision are required

### PRECISION BELT CONVEYOR SQUARED PATENTED

Studied exactly for the application where a pass-through hole is required, allowing the customer to position additional mounting stations inside to the quadrilateral shape



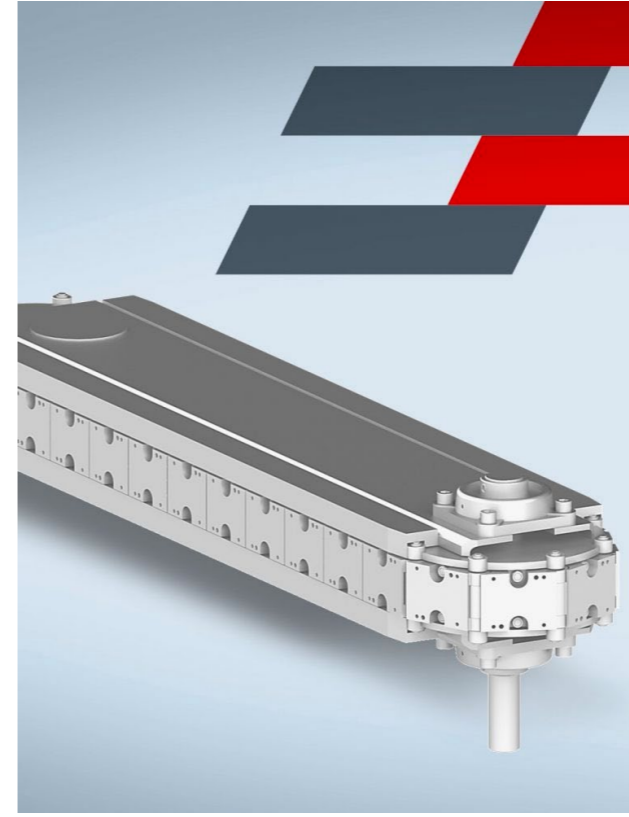
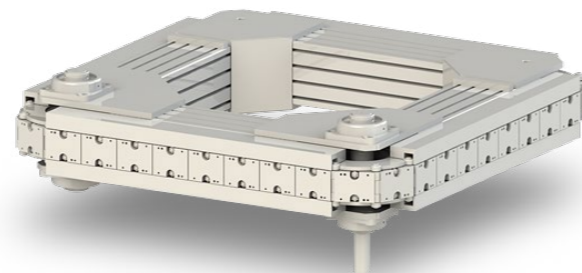
## PRECISION LINK CONVEYOR

### PRECISION LINK CONVEYOR ACCURACY

Standard link conveyor version, made up of aluminum profile and monolithic guides, offers a medium-high level positioning accuracy, maintaining all the rigidity characteristics typical of link conveyors

### PRECISION LINK CONVEYOR SQUARED PATENTED

As for the precision belt conveyors, also for the precision link conveyors we offer a solution with a quadrilateral shape, maintaining all the qualities of rigidity and accuracy typical of the link conveyors



## PRECISION LINK CONVEYOR HA

### PRECISION LINK CONVEYOR HIGH ACCURACY

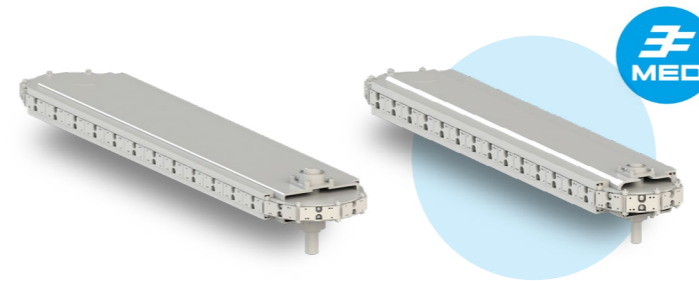
Top of the range, centesimal positioning accuracy and top-level performance. Consisting of a monolithic steel structural beam with ground guides produced on 3 levels, they can be made over 10 metres

### PRECISION LINK CONVEYOR HEAVY DUTY

Developed for high applied loads, up to 250 Kg for each pallet. Positioning accuracy always guaranteed and centesimal

### PRECISION LINK CONVEYOR MEDICAL VERSION

Products specifically to meet the needs of the sector by proposing dedicated solutions



## PRECISION TRAK CONVEYOR

**NEW**

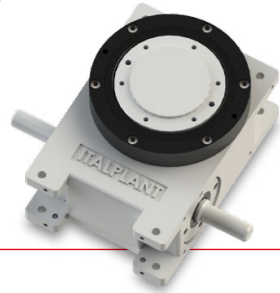
### PRECISION TRAK CONVEYOR

New magnetic conveyor totally made in Italy which completes the range of precision conveyors. Conveyor is made up of integrated RFID technology in any position, the pallets have load capacity up to 15 Kg and they can reach maximum speed up to 3 m/s. P-Trak is equipped with LSM system (Linear Synchronous Motors)

POWERED BY **HIDQ** GROUP

# ROTARY INDEXER

## SX



Standard version of the globoidal series, the Slimdex series is suitable for most common profile dial applications. With large output flange it can be supplied with a through hole or fixed center post for services like passing cable or support of fixed centered dial

## SP



The Stationary Plate series is an high capacity series (axial loads and dynamic capacity) with location diameter and stationary tooling plate

## MK2

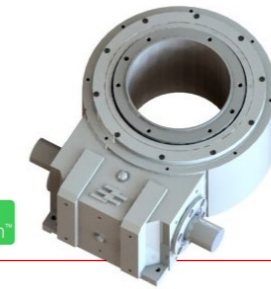


The Mark 2 series, is very rigid in construction, suitable for fast application thanks for the low inertia of the internal turret. Its special design minimizes the effect of roller reversal and results in a long life

## TIG



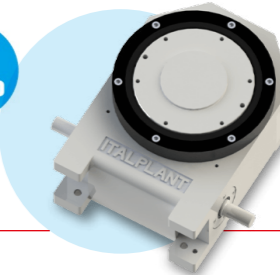
The Toroidal Globoidal Indexer TIG, are the suitable for application that required large through hole accurate positioning of the stations and massive dynamic demands



## REVOMOTION 600

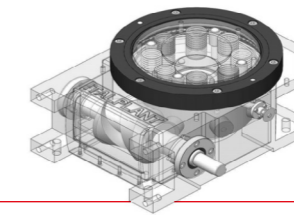
NEW

Rotary table with globoidal cam which summarizes the advantages of different types of rotary tables on the market in a single product: central through hole  $\varnothing 250$  mm, programmable version with preconfigured reduction motor, standard version from 2 to 48 stops, high angular accuracy and dynamic capability



## MEDICAL VERSION

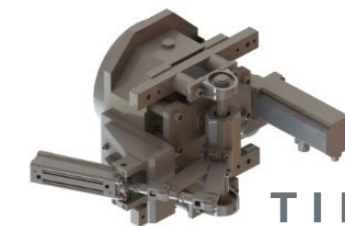
Rotary tables specifically made for the medical and pharmaceutical sector using specifically suitable and agreed materials and surface treatments (stainless steel, chemical nickel plating, FDA lubricants etc.)



## SOTL + ATT

OPTIONAL

Torque limiting system FULLY integrated into all SX, SP, MK2, TIG rotary tables series with globoidal cam. It has the function of protecting the globoidal mechanism from sudden shocks or over-torques deriving from the output axis (f.e jamming). The setting torque can be adjusted externally according to each specific applications



## TIMING DEVICE

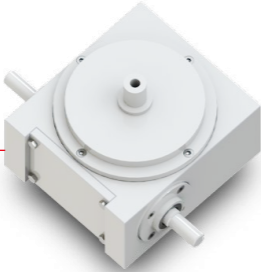
OPTIONAL

Developed for the application where it is necessary a batch change maintaining the functionality of a standard indexer without using any servo drives and programming

# OTHER PRODUCTS

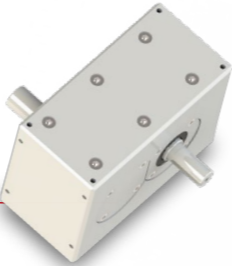
## M K 1

Cylindrical cam rotary table series



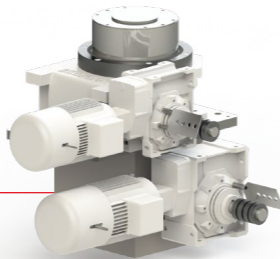
## M K 3

Intermitters/oscillators with parallel input and output axes



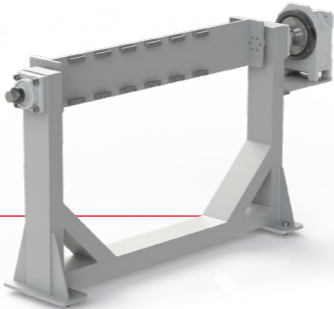
## ROTARY PLACERS

Rotary indexer with double mechanism for managing rotation and, in the same time, lifting of the rotating plate



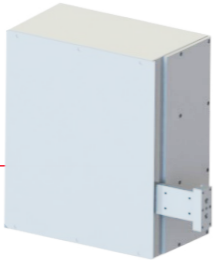
## ROTATING AND TILTING DEVICE POSITIONER

With 1 to 4 handling axes with high load capacity, can be produce according customer specifications



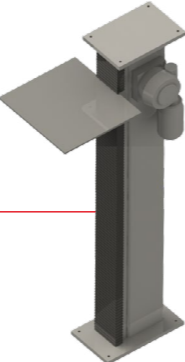
## PICK&PLACE

Series of mechanical manipulators with cams for picking and releasing with angular movement



## ELEVATORS

Consisting of a long stroke cam mechanism for elevation and translation, the simple concepts are contained in a single product: sturdiness, high load capacity and reliability over time



# ITALPLANT IN THE WORLD



**ITALPLANT**

PRECISION TRANSFER SYSTEMS

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