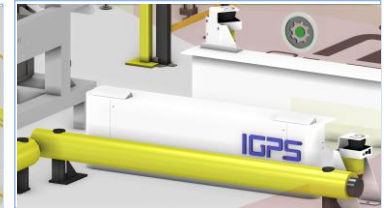
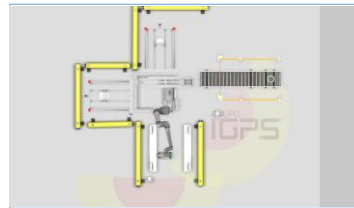
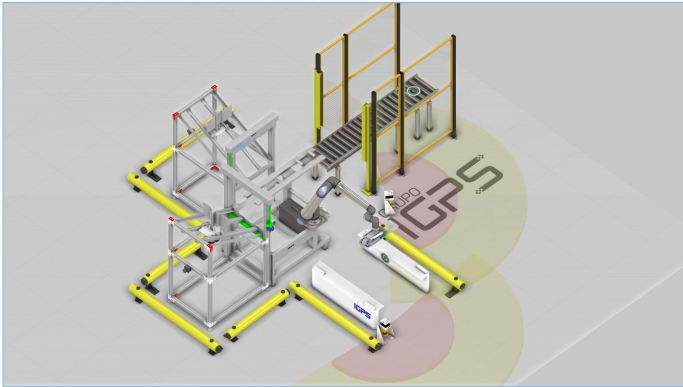


CI25004 (2) PI_012 01 v1.0

Presentación Técnica

CAC Cobot Armado de Cajas



Solución Técnica

1

Implantación General

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Empresas:



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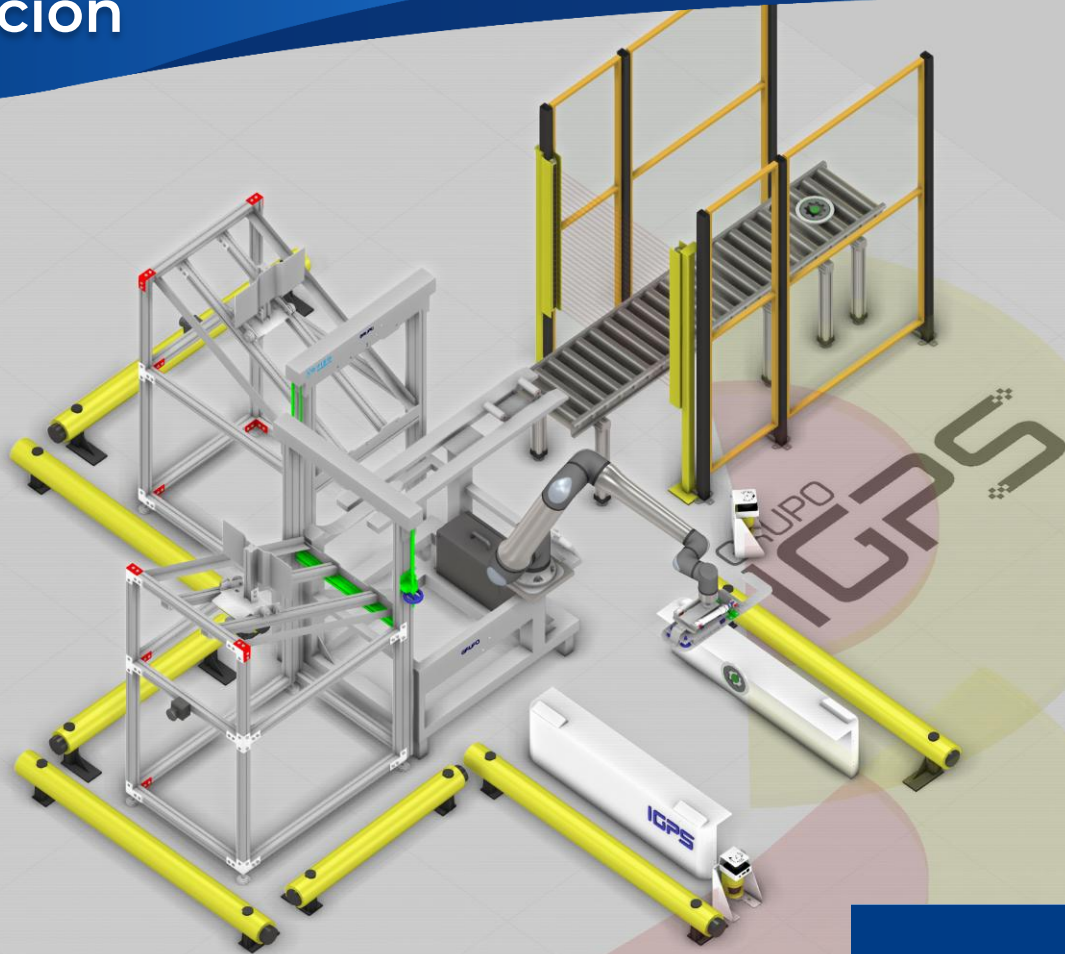
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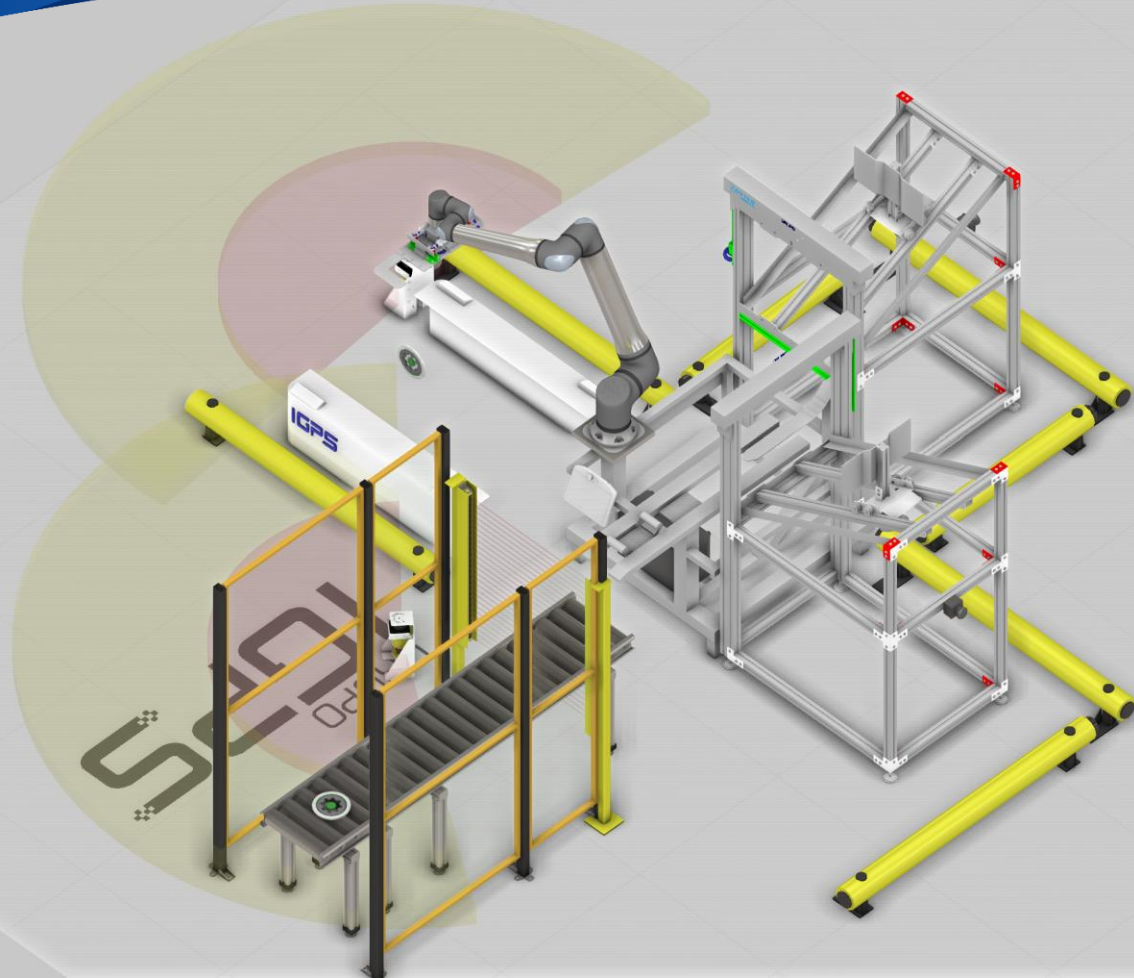
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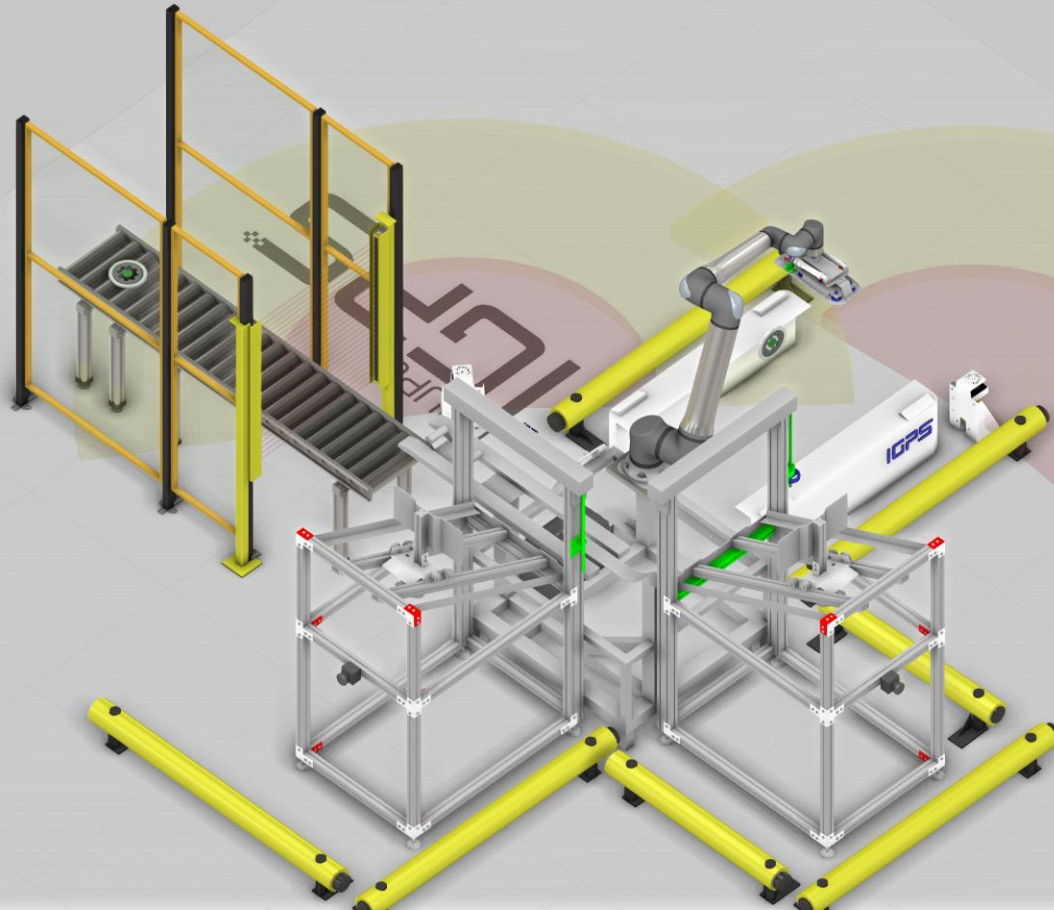
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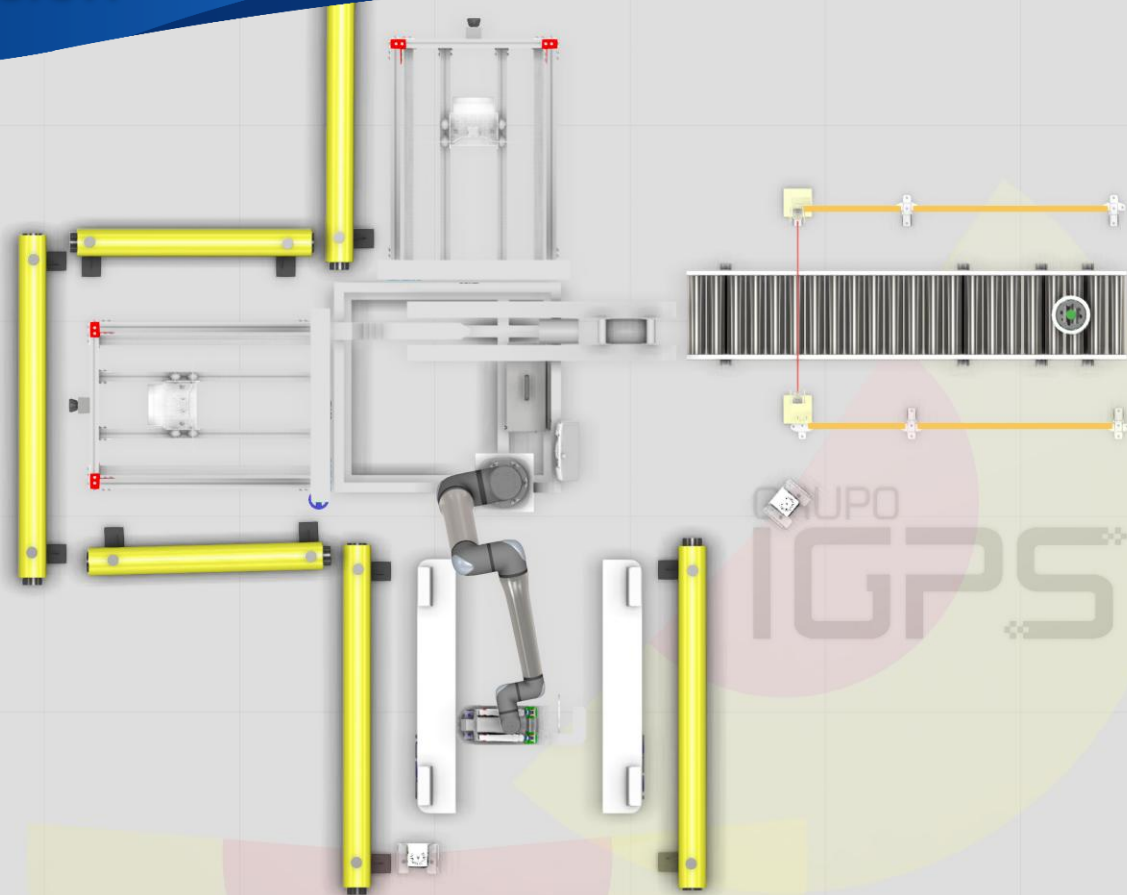
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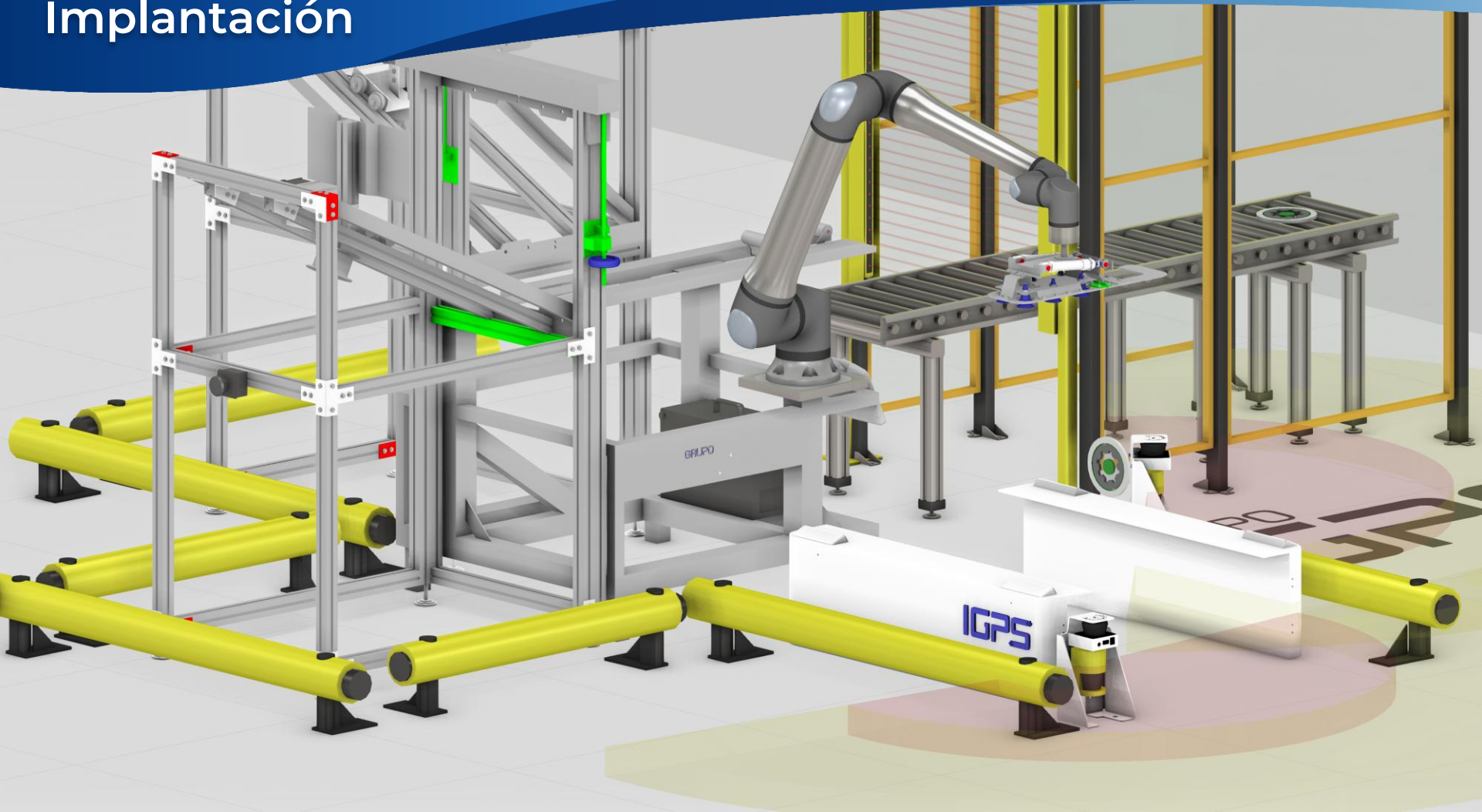
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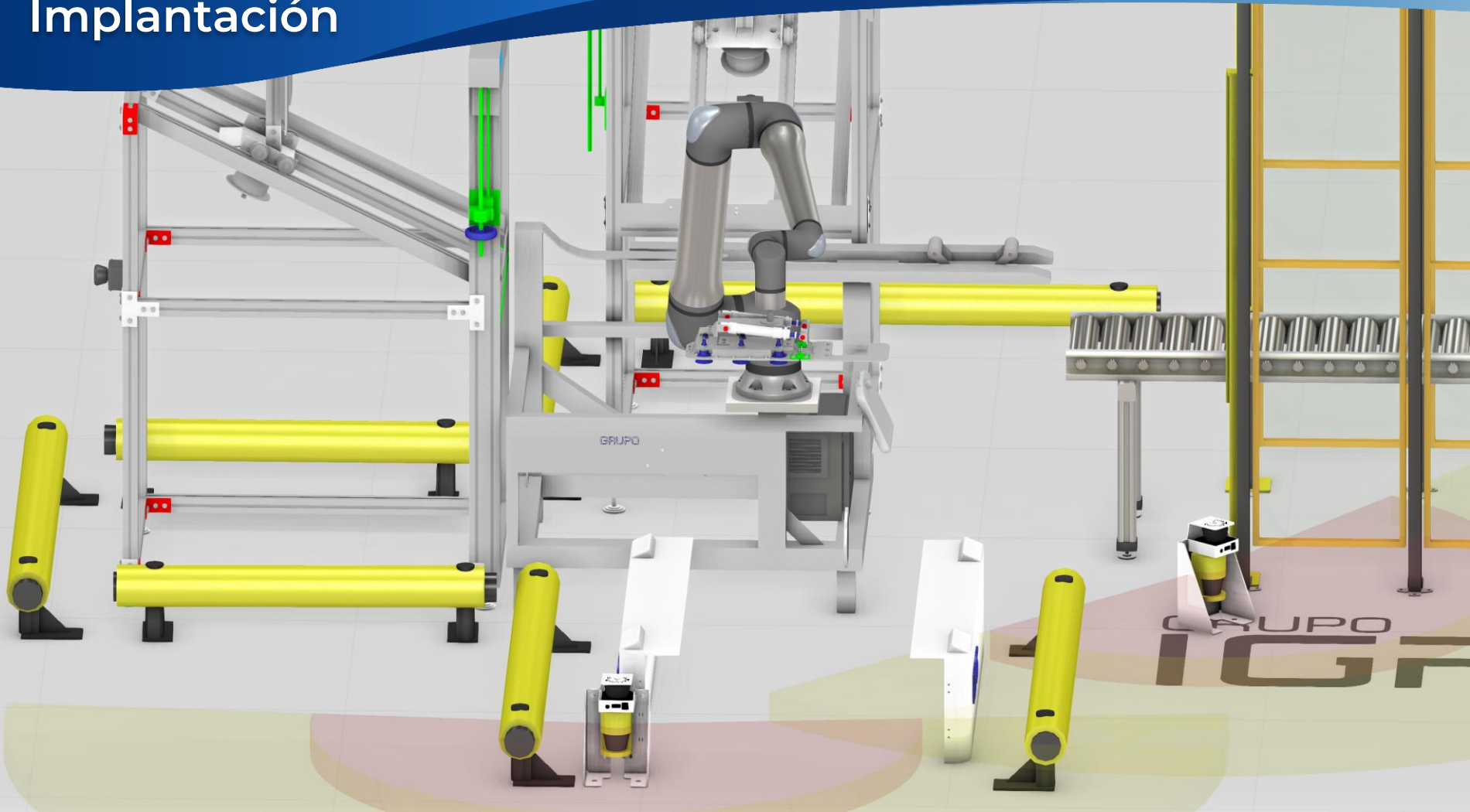
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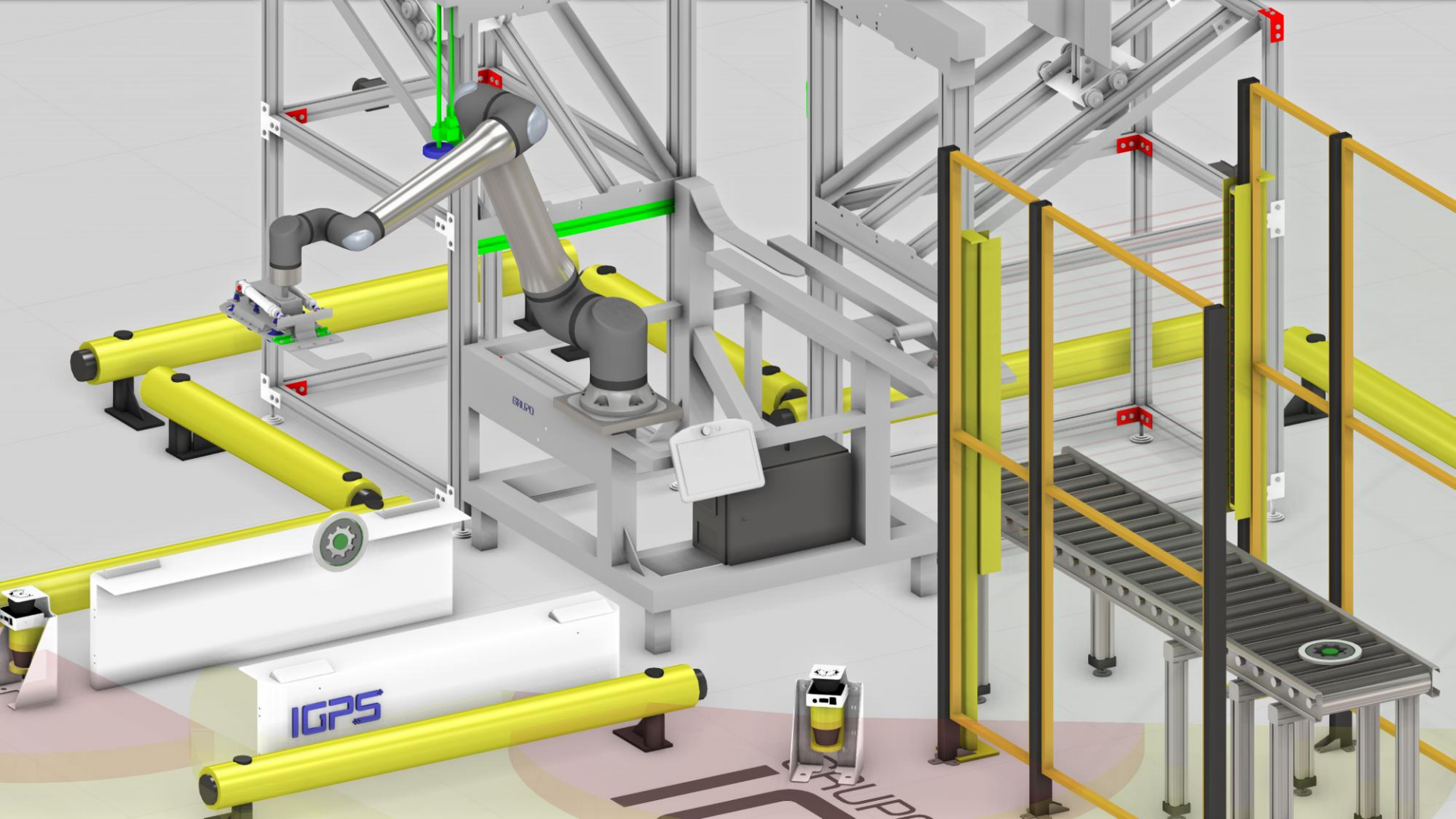


Implantación



Implantación





2

Detalles

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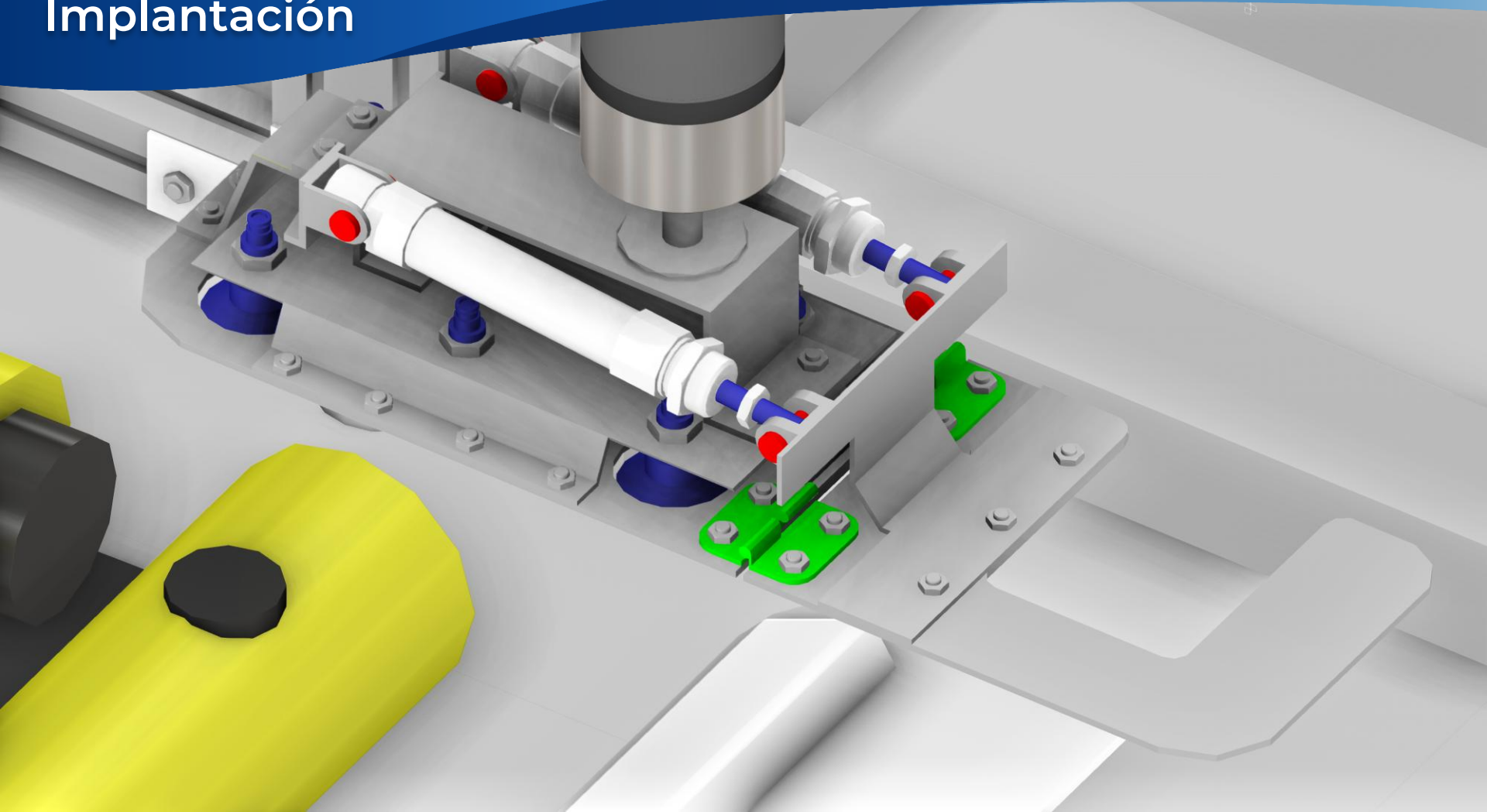
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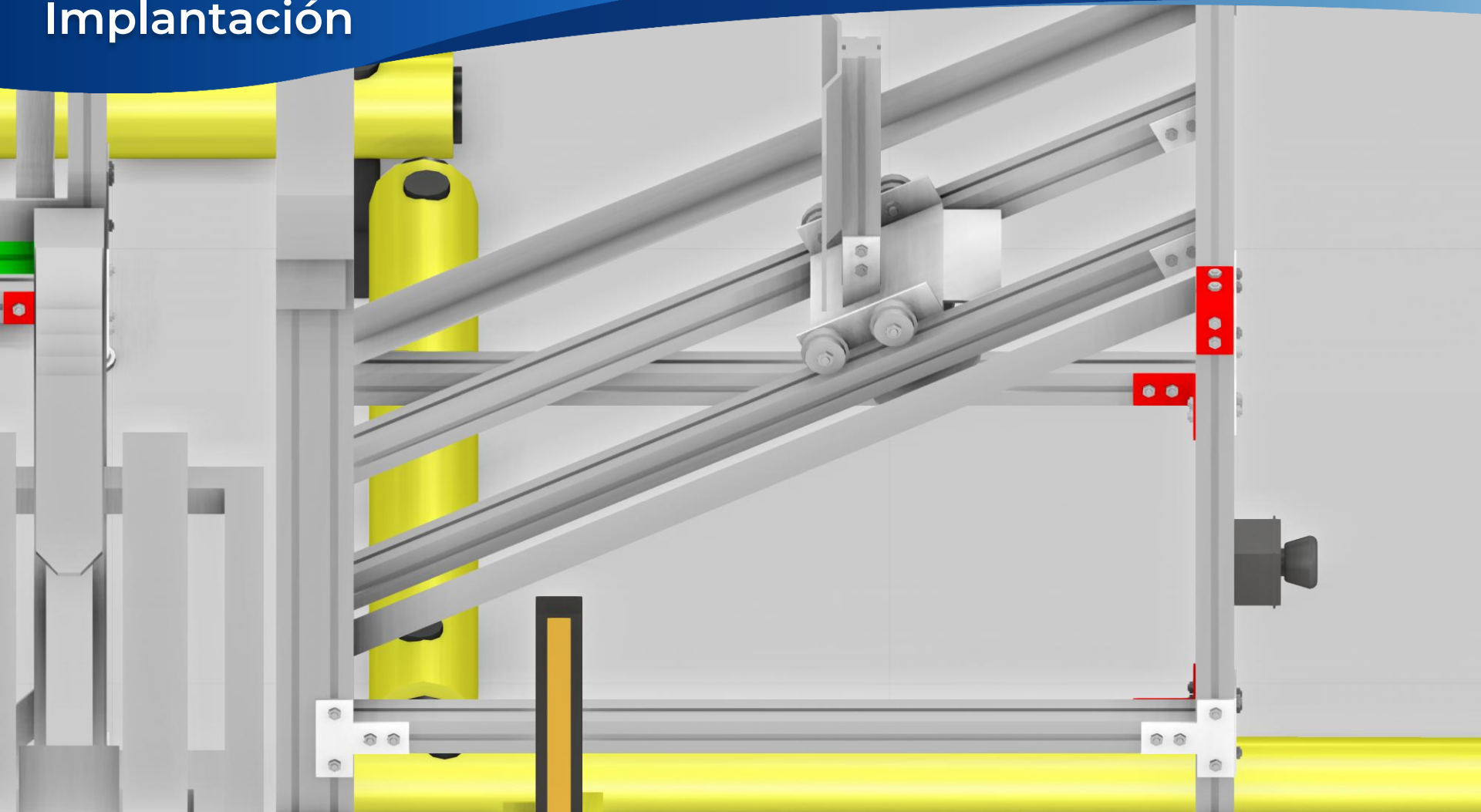
Arisens

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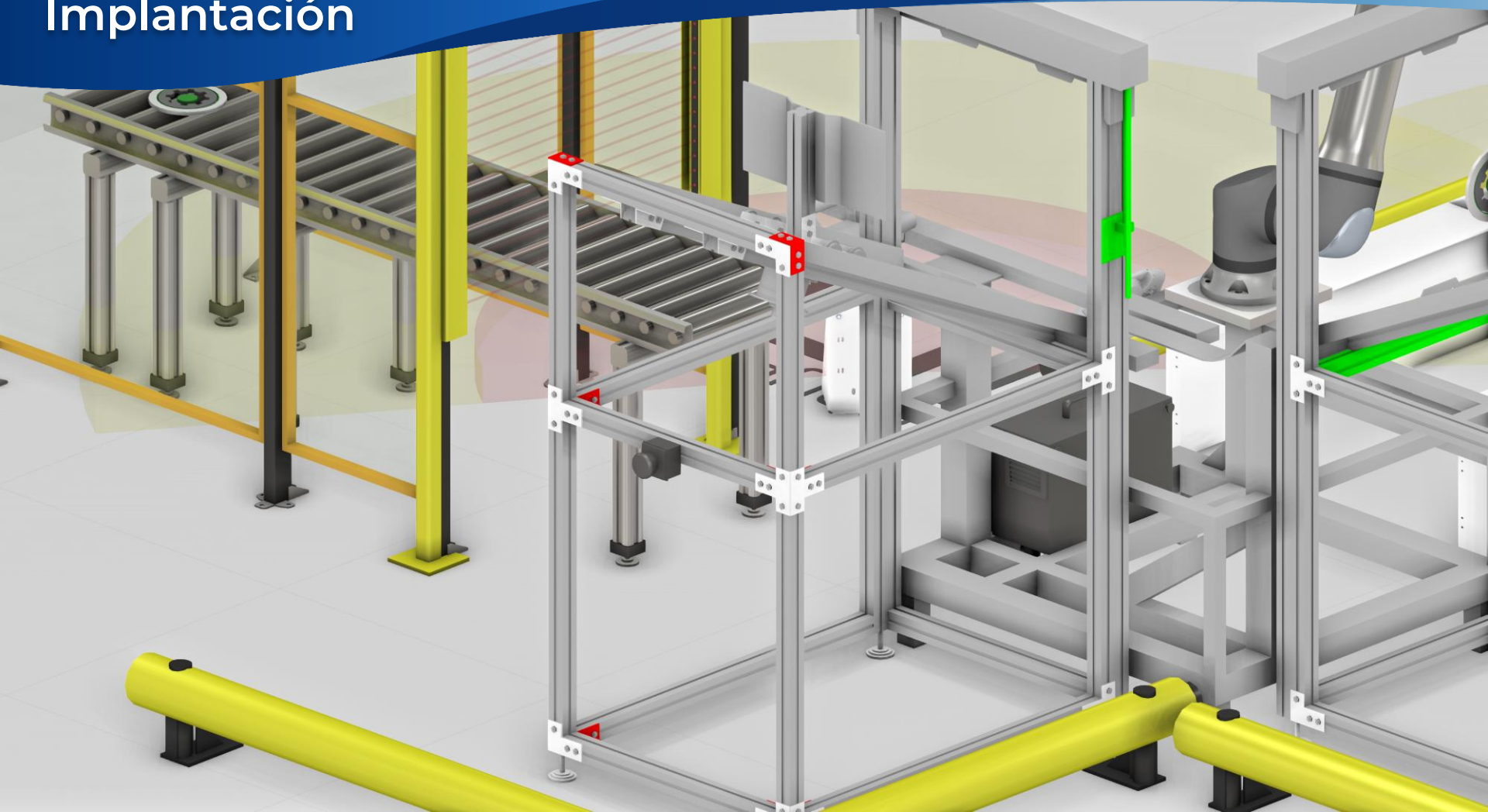
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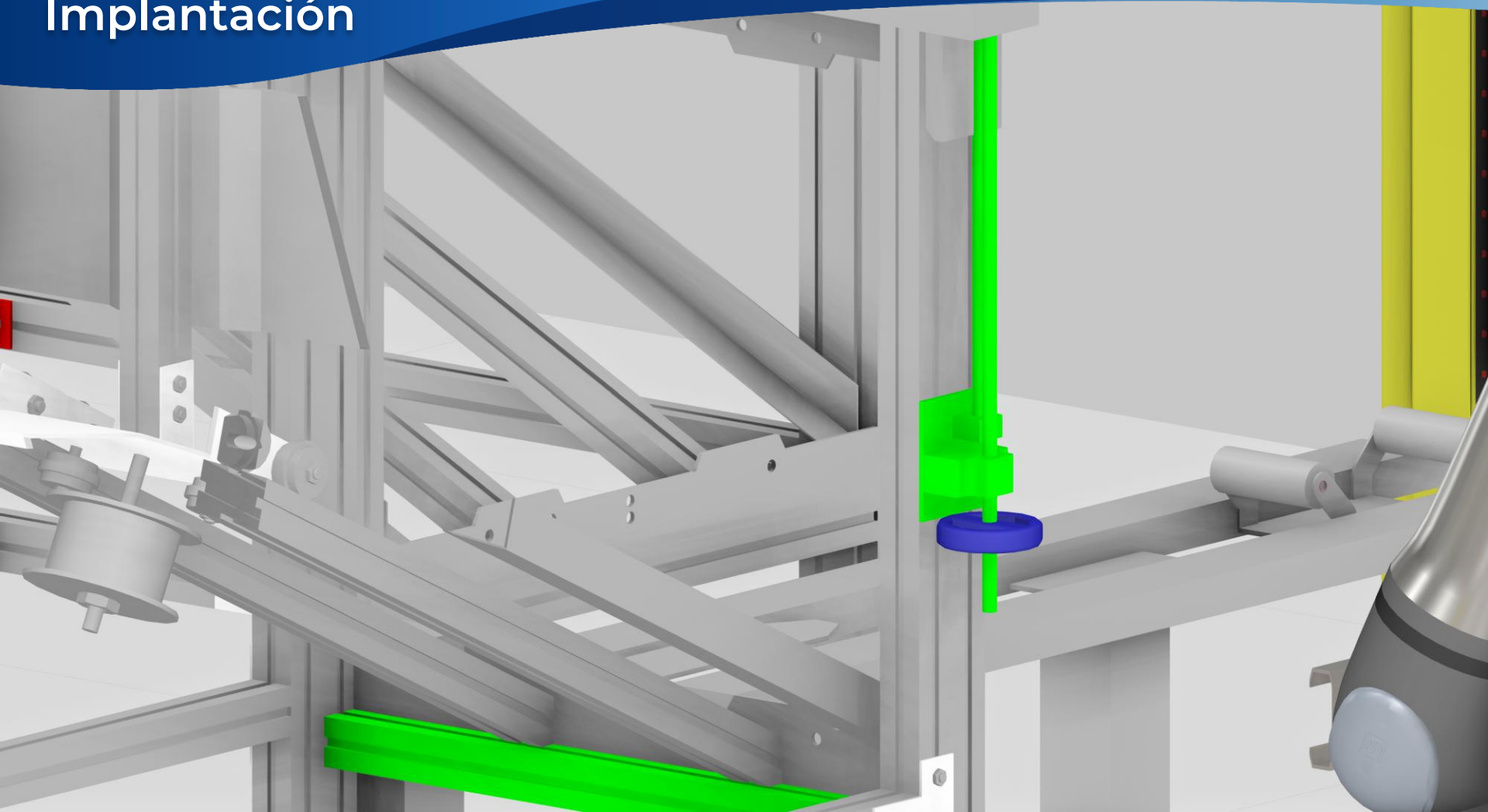
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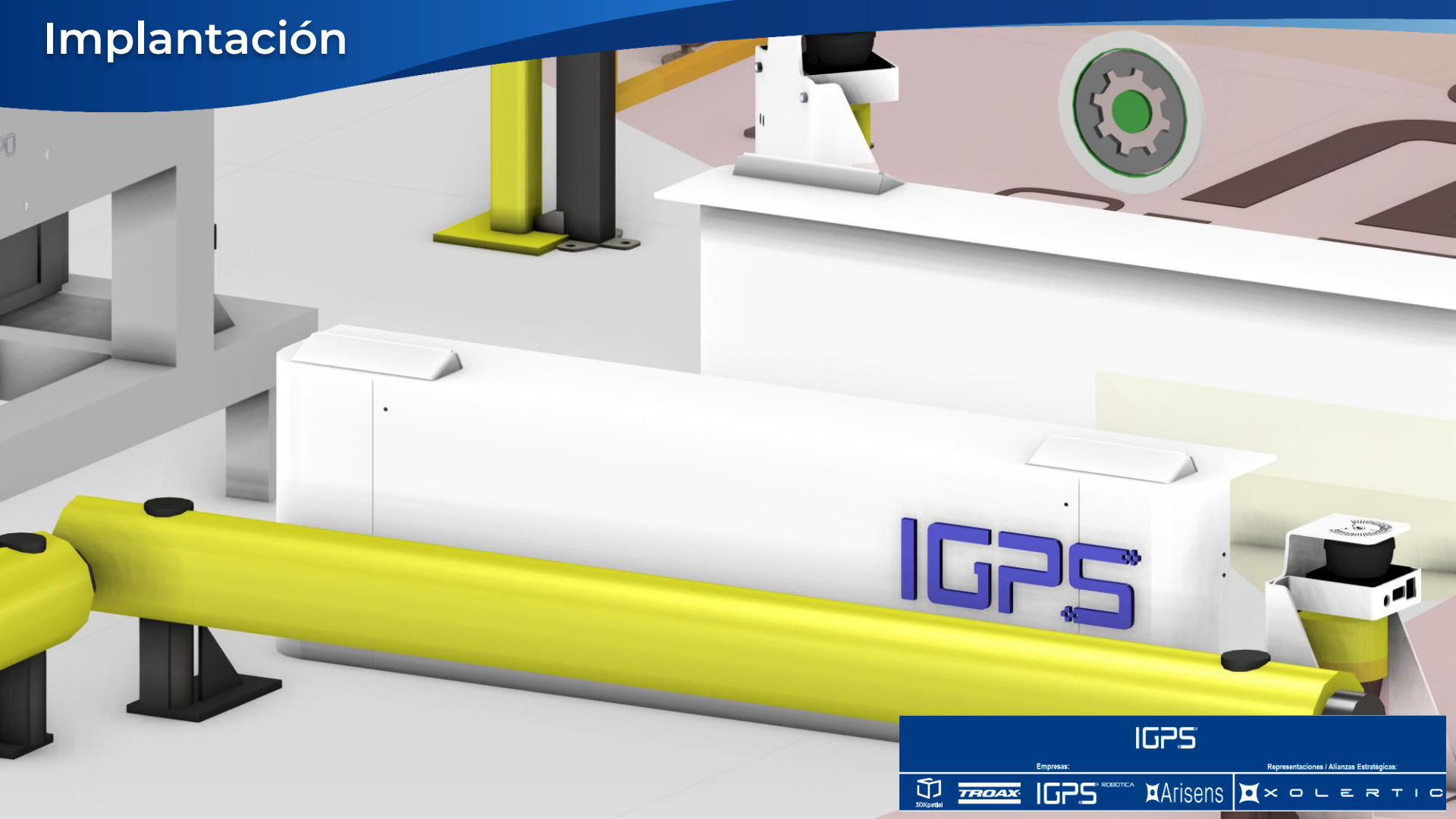
Implantación



Implantación



Implantación



Equipamiento

1

Armado de Cajas

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Equipamiento



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Equipamiento



Equipamiento

Variant	CM100
Part Number	6 105 1001
General	
Operating Medium	Compressed air
Weight	1350 g (3 lbs.)
Product Dimensions (L x W x H)	464 x 176 x 94 mm (18.27 x 6.93 x 3.70 inches)
Max. case dimension* (L x W x H)	500 x 400 x 400 mm (19.69 x 15.75 x 15.75 inches)
Min. case dimension (L x W x H)	240 x 140x 165 mm (9.45 x 5.51 x 6.50 inches)
Max. load	3 kg (6.61 lbs.)
Pneumatics	
Airflow rate	85 slpm / 3 scfm
Vacuum flow rate	15 slpm / 0.53 scfm
Air consumption	100 slpm / 3.53 scfm
Maximum vacuum pressure	-870 mbar / -12.62 psi
Maximum Operating pressure	6 bar / 87 psi
Communication	
Universal Robots	URCap
Other robots / controllers	Modbus RTU (RS-485)

Equipamiento

Connectors	
I/O connector	M8 8pin female connector
Air inlet	Ø 8 tube quick connector
Vacuum outlet	G 1/8 female thread
Power	
Operating voltage	24V DC
Nominal operational current	250 mA
Maximum operational current	350 mA
Environment	
Ambient temperature range	+5°C to 50°C / 41°F to 122°F
Noise level	< 50 dB
Ingress Protection	IP54

Equipamiento



90° Flap
Bending

Ideal for easily folding flat
cases / cartons



Extendable
Arms

Form cases of multiple
carton sizes



1350
grams

Maximize robot
payload utilization



3 Kg
payload

Form cases of
multiple thickness



IP
54

Perfect for usage in harsh
environments



Laser
Indicator

Align cases easily at
the fold point

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Robot Mounting Face

Mount the suitable Robot Coupler to interface casemagiQ with the specific robot.

I/O Connector

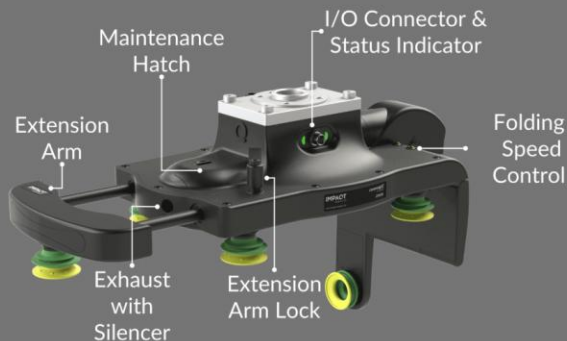
Connect directly to the Tool I/O Port of Universal Robots (eSeries & CB3). For other robots, connect directly to the controllers and communicate over Modbus RTU.

Status Indicator

To indicate the functioning of casemagiQ and communication between casemagiQ and the robot.

Compressed Air Inlet

Connect just one pneumatic tube to actuate both the vacuum for suction cups and pneumatic cylinder for the flap. Eliminate the need for multiple pneumatic tubes and wire packages running across the robot's body.



Extension Arm

Easily extend casemagiQ to form a wide range of cases up to 500 x 400 x 400 mm

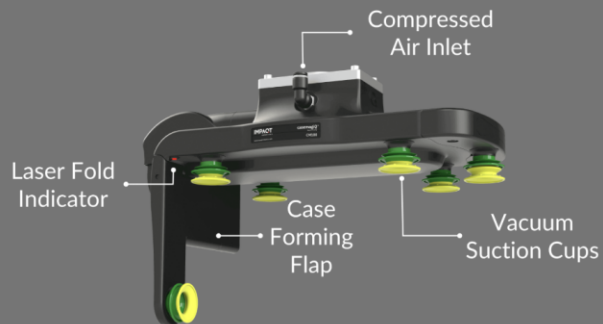


Equipamiento

Cylinder for the flap. Eliminate the need for multiple pneumatic tubes and wire packages running across the robot's body.

Maintenance Hatch

Sensors installed on the pneumatic tool to know its state (open/close) can be connected directly to casemagiQ, avoiding need for lengthy wiring to the robot controller.



a wide range of cases up to
500 x 400 x 400 mm

Laser Aligner

Easily align the casemagiQ CM100 during programming to align with the fold of the case to be able to fold perfectly.

Exhaust Port

Exhaust port with built-in silencers allows casemagiQ to be both silent and efficient.

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Cobot UR

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Equipamiento



Carga
12.5 kg / 27.55 lbs



Alcance
1300 mm / 51.2 in



Huella
Ø 190 mm / 7.48 in



Peso
33,5 kg / 73.9 lbs

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Equipamiento



UR10e

Specification

Payload	12.5 kg (27.5 lbs)
Reach	1300 mm (51.2 in)
Degrees of freedom	6 rotating joints
Programming	12 inch touchscreen with PolyScope graphical user interface
Power consumption (average)	
Maximum power	615 W
Moderate operating settings	350 W
Operating temperature range	Ambient temperature: 0-50°C (32-122°F)
Safety functions	17 configurable safety functions
In compliance with	EN ISO 13849-1 (PLD Category 3) and EN ISO 10218-1

Performance

Force sensing, tool flange/torque sensor	Force, x-y-z	Torque, x-y-z
Range	± 100.0 N	± 10.0 Nm
Precision	± 5.0 N	± 0.2 Nm
Accuracy	± 5.5 N	± 0.5 Nm

Movement

Max TCP speed	4 m/s
Pose Repeatability per ISO 9283	± 0.05 mm
Axis movement	
Working range	Maximum speed
Base	± 360° ± 1207/s
Shoulder	± 360° ± 1207/s
Elbow	± 360° ± 1807/s
Wrist 1	± 360° ± 1807/s
Wrist 2	± 360° ± 1807/s
Wrist 3	± 360° ± 1807/s

UR10e

Technical Specification

Our most versatile robot, the UR10e delivers an impressive payload of 12.5 kg and 1300 mm reach, making it ideal for a wide range of applications.

Today, more than 90,000 UR collaborative industrial robots have been delivered to customers across industries and around the world. The e-Series of cobots brings incredible flexibility and unparalleled ease of use to your application.

Updated December 2024.

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Features

IP classification	IP54
Cleanroom classification	Class 5 at ≤ 40%* Class 6 at 80%*
Noise	< 65 dB(A)
Robot mounting	Any orientation
I/O Ports	
Digital In	2
Digital Out	2
Analog In	2
Tool I/O power supply voltage	12/24 V
Tool I/O power supply	2 A (Dual pin) 1 A (Single pin)

Physical

Footprint	Ø 190 mm
Materials	Aluminum, plastic, steel
Tool flange interface	M8 8-pin female, EN ISO-9409-1-50-4-M6
Connector type	M8 8-pin female
Cable length (robot arm)	6 m (236 in)
Cable length including cable	33,5 kg (73.9 lbs)
Humidity	≤ 90% RH (non-condensing)

Contact

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Energivej 51
5260 Odense
Denmark

+45 89 93 89 89
sales@universal-robots.com
universal-robots.com

Teach Pendant

Features

IP classification	IP54
Humidity	≤ 90% RH (non-condensing)
Display resolution	1280 x 800 pixels

Physical

Materials	Plastic
Teach Pendant size (W x H x D)	300 mm x 231 mm x 50 mm (11.8 in x 9.1 in x 1.97 in)
Weight	1,8 kg (3.951 lbs) including 1 m of teach pendant cable
Cable length	4,5 m (177.17 in)

Control Box

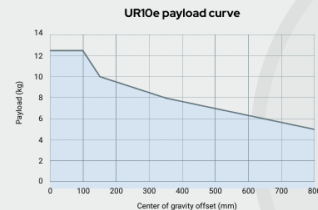
Features

IP Classification	IP44
Operating temperature range	Ambient temperature: 0-50°C (32-122°F)
Humidity	≤ 90% RH (non-condensing)
I/O Ports	
Digital In	16
Digital Out	16
Analog In	2
Analog Out	2
Quadrature Digital Inputs	4
I/O Power Supply	24V, 2A
Industrial Protocols	Modbus-TCP (Client/Server) Ethernet/IP Adapter PROFINET device/PROFisafe ROS/ROS2
Hardware Interfaces	Ethernet 1 Gb/s USB 2.0, USB 3.0 Mini DisplayPort Injection Moulding Machine Interface (SPI AN-146 & Euromap-67)
Power Source	100-240 VAC, 47-440 Hz

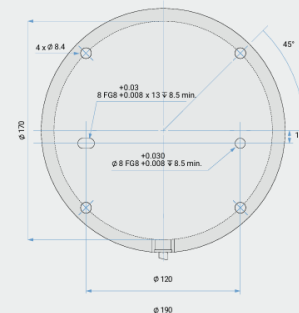
Physical

Control Box Size (W x H x D)	460 mm x 449 mm x 254 mm (18.2 in x 17.6 in x 10 in)
Weight	12 kg (26.5 lbs)
Materials	Powder coated steel

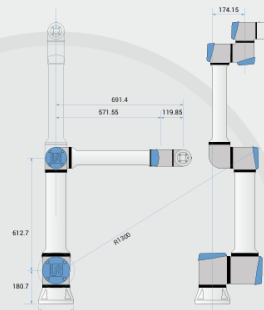
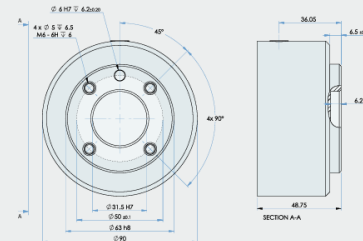
The control box is also available in an OEM version



Interface for UR10e base flange



Tool flange for UR10e



PolyScope X

PolyScope conecta a los usuarios con robots que ofrecen funcionalidades que van desde la simple selección y colocación hasta el movimiento avanzado. Elimina la complejidad innecesaria y ve cómo se multiplica tu productividad.

Contacta con nosotros



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Empresas:

Representaciones / Alianzas Estratégicas:



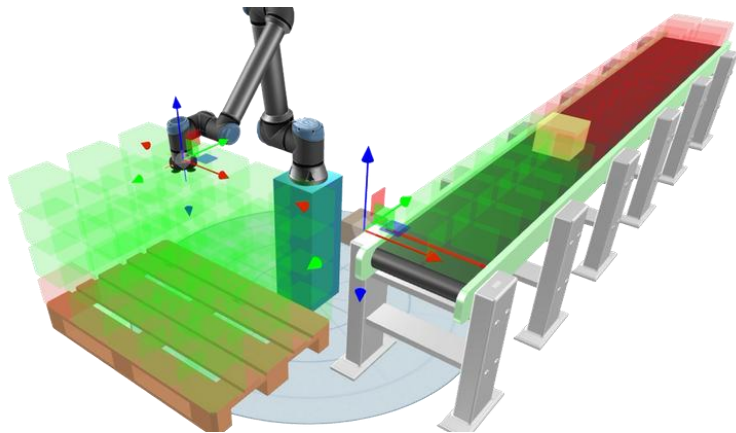
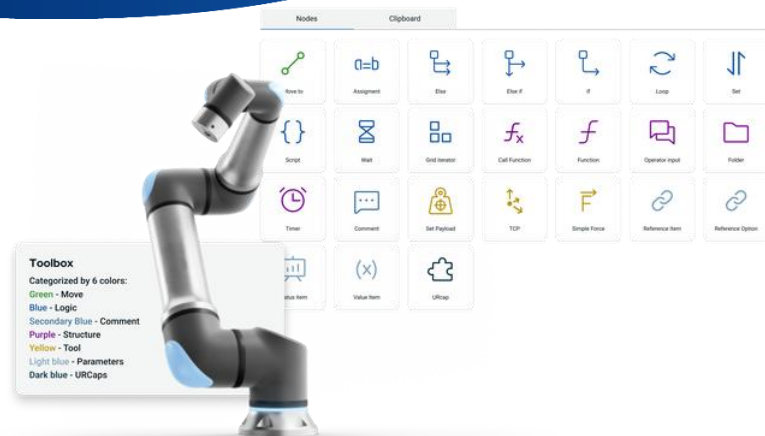
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Equipamiento



Interfaz de usuario mejorada

Diseñada para reducir la curva de aprendizaje y mejorar la eficiencia del flujo de trabajo

Capacidades de programación avanzadas

Opciones de scripting mejoradas y soporte para tareas de automatización más complejas

Integración perfecta

Conecta y administra varios componentes de automatización a través de una única plataforma.

Rendimiento mejorado

Los patrones de diseño de software optimizados se ejecutan sin problemas y ofrecen tiempos de respuesta más rápidos.

Equipos



Communication

Digital, Analog, IOs,



Mounting

Rotation, Tilt



End of Arm Tooling

End Effector, TCP,
Payload, Center of Gravity



Frames

Position, References



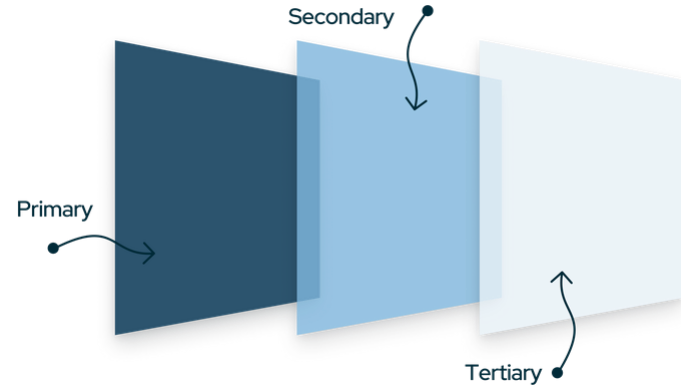
Safety

Safety Planes, Joint limits,



Grids

Layouts



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Empresas:

Representaciones / Alianzas Estratégicas:





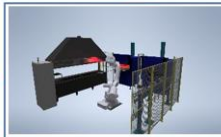








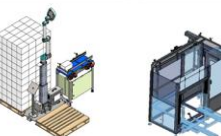






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Contacto

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Vallados Seguridad Automatización y Robótica Logística				
				
Escaneado BIN CIM Ingeniería Inversa Metrología 3D Fotogrametría				
				

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