



Understanding. Integrating. Networking. Serve.

Sistema de monitoreo Quattro y acceso remoto

IAOM – Panama 2020



Haver & Boecker USA

Establecido en 1977

Sede USA:

Conyers, GA

Oficinas adicionales:

Mission Viejo, CA | Mexico City, MX

Representación:

Centro América/Caribe/Colombia

Empleados:

60+

Instalaciones:

Mas de 900

Territorio:

Norte, Centro and Sur América





Unidades de Negocio



Cemento



Materiales de Construcción



Químicos



Alimentos



Minería



Servicio



Servicios





Haver Quattro

Worldwide and on the road



Visualization of the live data



Operator | Maintenance staff
| Manager



Cloud-Server



Industry-Plant

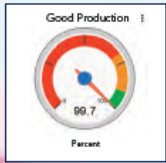


Information
Data Value

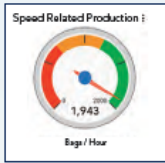
- Operating conditions
- Fault messages
- Production outputs



Quattro System Monitoring



„Yes great, we are on target!“



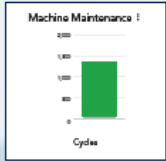
„I'm absolutely satisfied with our performance!“



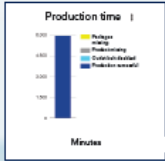
„For today, we are on course for the first time!“



„Our complete line is running just great and we have expanded our market position!“



„We should service the machine next week!“



„Great – my plant is operating without disturbance.“



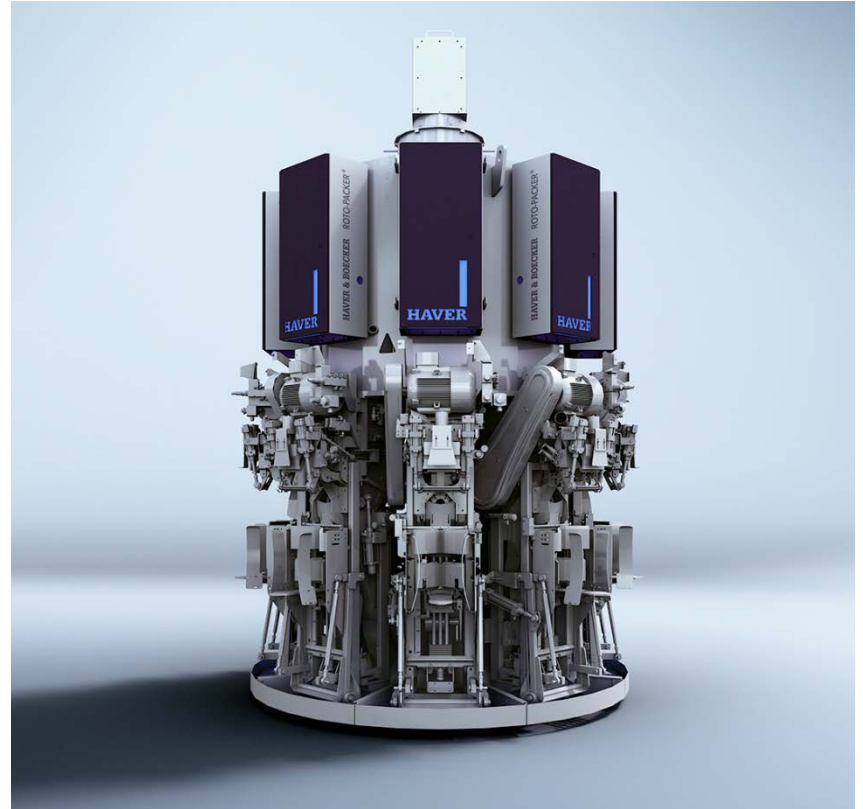
„4 errors today already! We need to check that!“



„Even though 4 failures occurred, the downtime is within limits!“

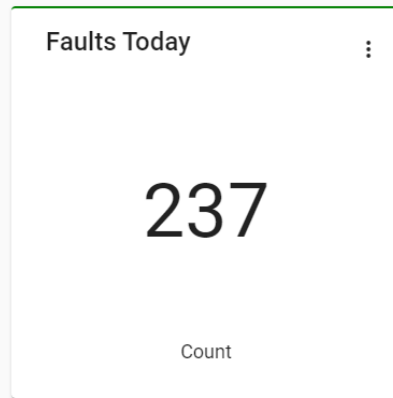
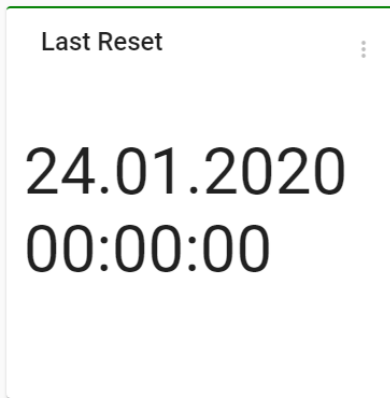
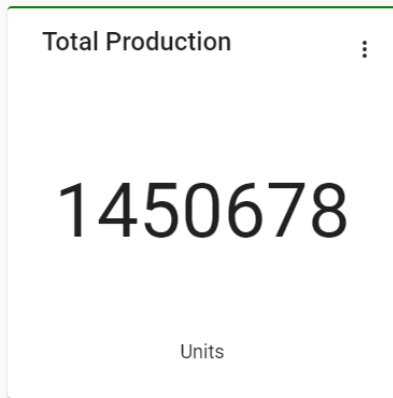
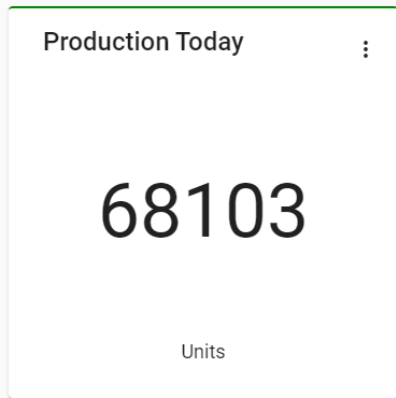
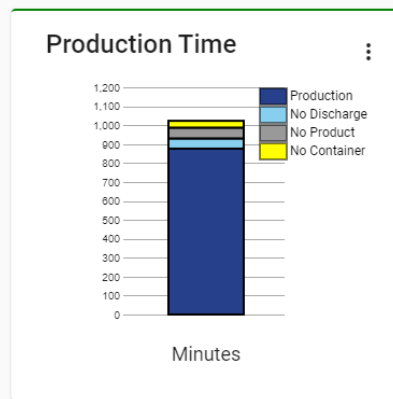
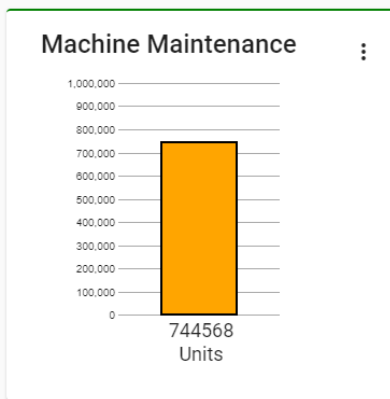
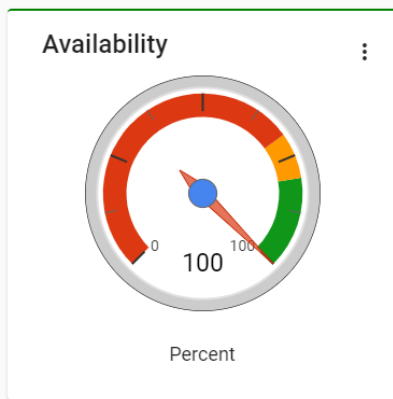
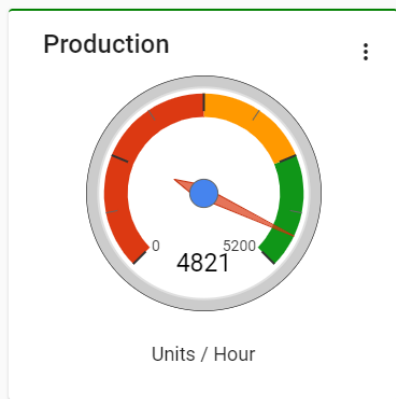
The way to your System Monitoring:

- 1 Contact us and together we'll thoroughly discuss the requirements for installing the system.
- 2 Our experts will configure an customized upgrade for your systems and send you a quotation.
- 3 Together we will plan the installation, system start-up and final approval.
- 4 Together with your operating personnel we will put the plant into operation, fully backed up by our full support.





Pantalla Principal





Máquina Principal

Bag Counter Today

Filling Station 1	4545	7 %
Filling Station 2	2259	3 %
Filling Station 3	4499	7 %
Filling Station 4	4486	7 %
Filling Station 5	4470	7 %
Filling Station 6	4446	7 %
Filling Station 7	4420	6 %
Filling Station 8	4401	6 %
Filling Station 9	4395	6 %
Filling Station 10	4376	6 %

Not Placed Bags

Filling Station 1	219	5 %
Filling Station 2	110	5 %
Filling Station 3	74	2 %
Filling Station 4	157	3 %
Filling Station 5	365	8 %
Filling Station 6	275	6 %
Filling Station 7	122	3 %
Filling Station 8	69	2 %
Filling Station 9	100	2 %
Filling Station 10	138	3 %

Type Changes Today

0

Count

Spread Bag Counter

50

Percent

Rejects Today

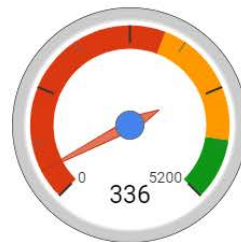
0

Count

Interruptions Today

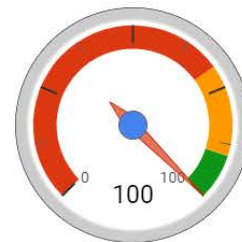
Product Feeding	64	64 Minutes
Radimat	21	42 Minutes
Rotary Drive	0	0 Minutes
Palletizer	174	58 Minutes
Compressed Air	0	0 Minutes
Filter	0	0 Minutes
Type Changes Today	0	0 Minutes

Speed Related Production



Bags / Hour

Good Production

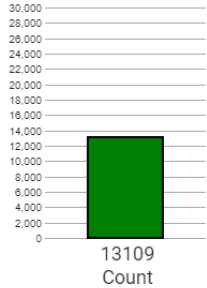


Percent

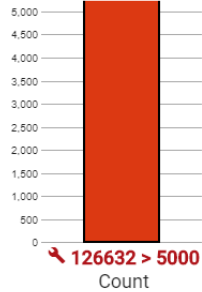


Mantenimiento de Máquina

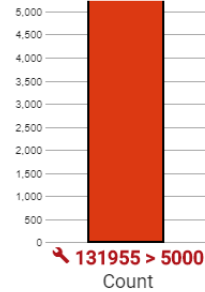
Rotary Drive



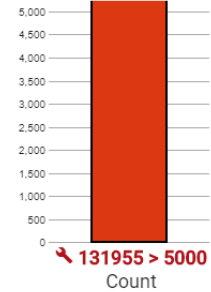
Discharge Belt



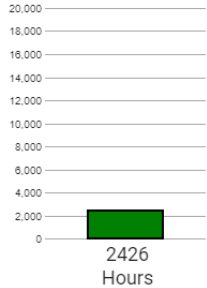
Bag Alignment Belt



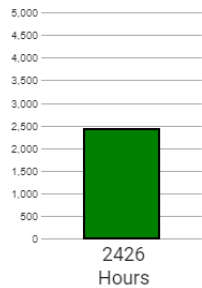
Bag Cleaning



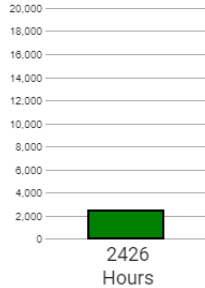
Acceleration Belt



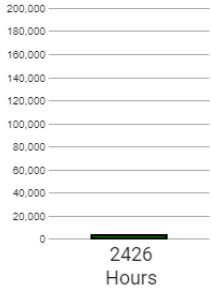
Checkweigher Belt



Flat Belt Conveyor



Rejection Belt





Informes de Máquina



Informes

- Diario
- Semanal
- Mensual



Tus Beneficios

- Conocimiento exacto sobre el estado real de la planta
- Tiempo de reacción rápido
- Aumentar la disponibilidad, eficiencia y rendimiento de la planta
- Compara tus diferentes plantas
- Optimización de las condiciones de las máquinas





Acceso Remoto





Acceso Remoto



- El soporte de HAVER puede acceder a su máquina para solucionar problemas desde cualquier lugar con una conexión a Internet
- Brindar soporte a través de HMI
- Proporcionar soporte de programación



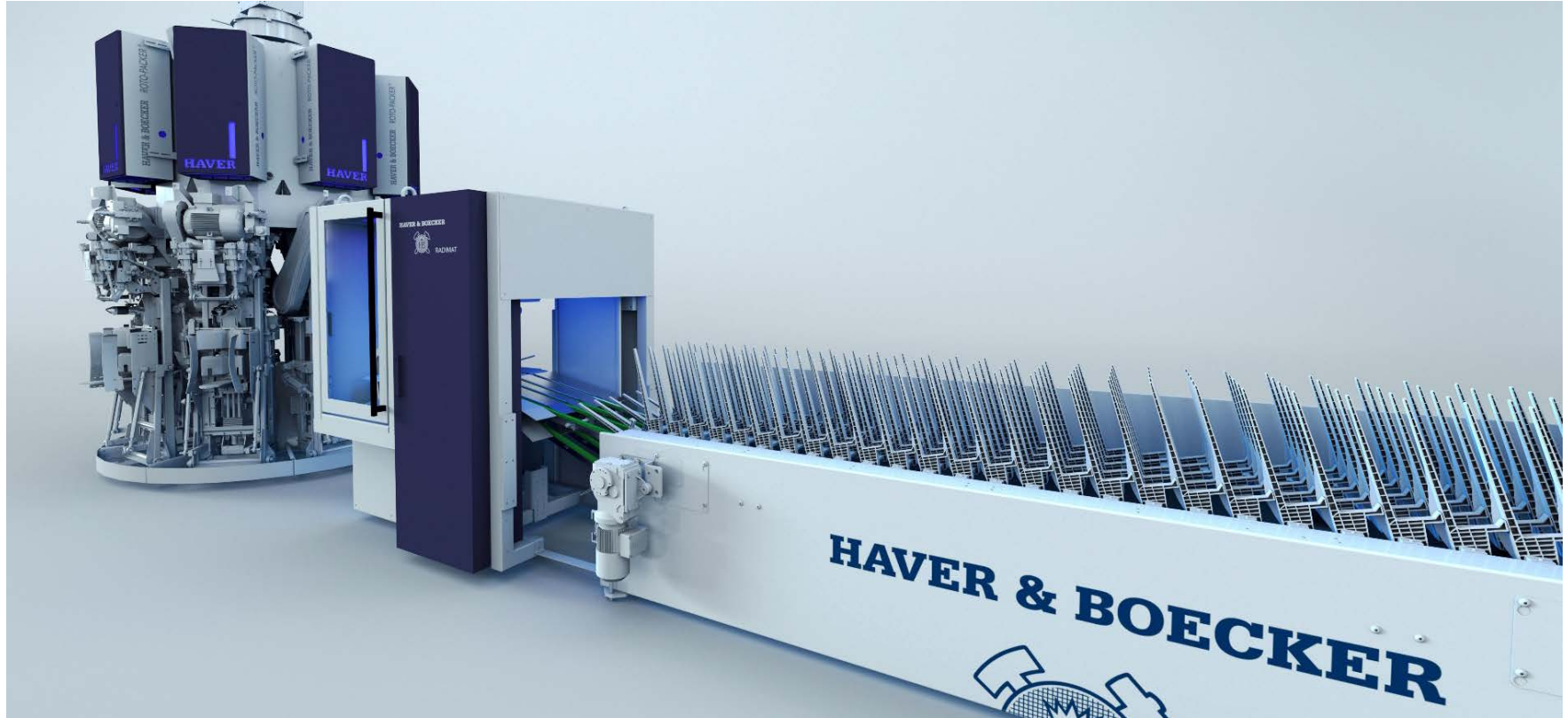
Activar Acceso Remoto

- Conexión a todas las máquinas
- Ethernet o tarjeta SIM
- Para el acceso, debe activar la conexión a ON
- Desconexión en cualquier momento





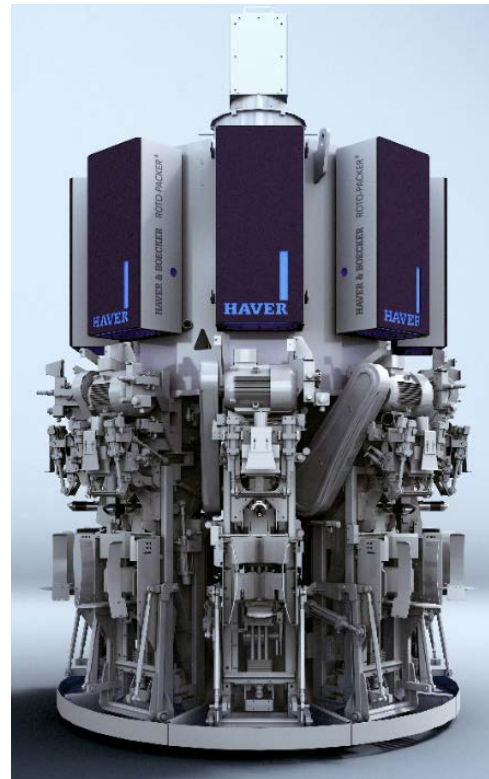
Packing Line





Ventajas de sacos valvulados

- Alta producción (sacos/h)
- Posibilidad de aumentar producción
- Minimizar variación en peso
- Limpieza en planta y sacos
- Mejor sello en sacos
- Mejor tamaño de saco
- Mejor forma de pallets





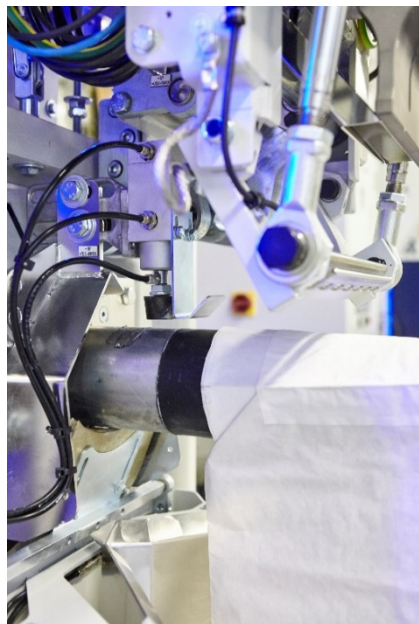
Sacos en Bloques

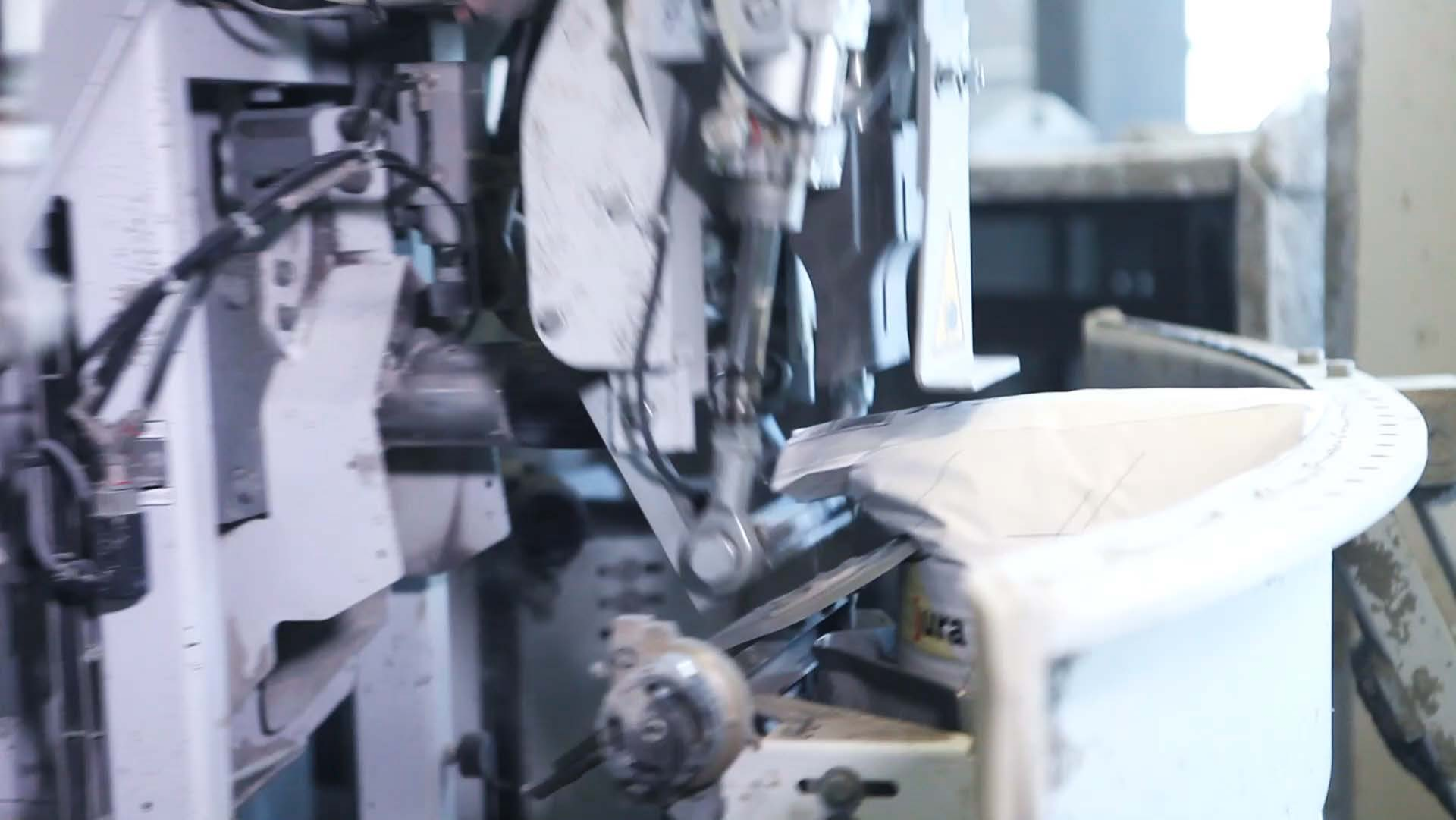
Con los sacos tipo válvula se obtiene un producto mas **COMPACTO**. Su diseño rectangular resulta en un full pallet mas **ESTABLE**.





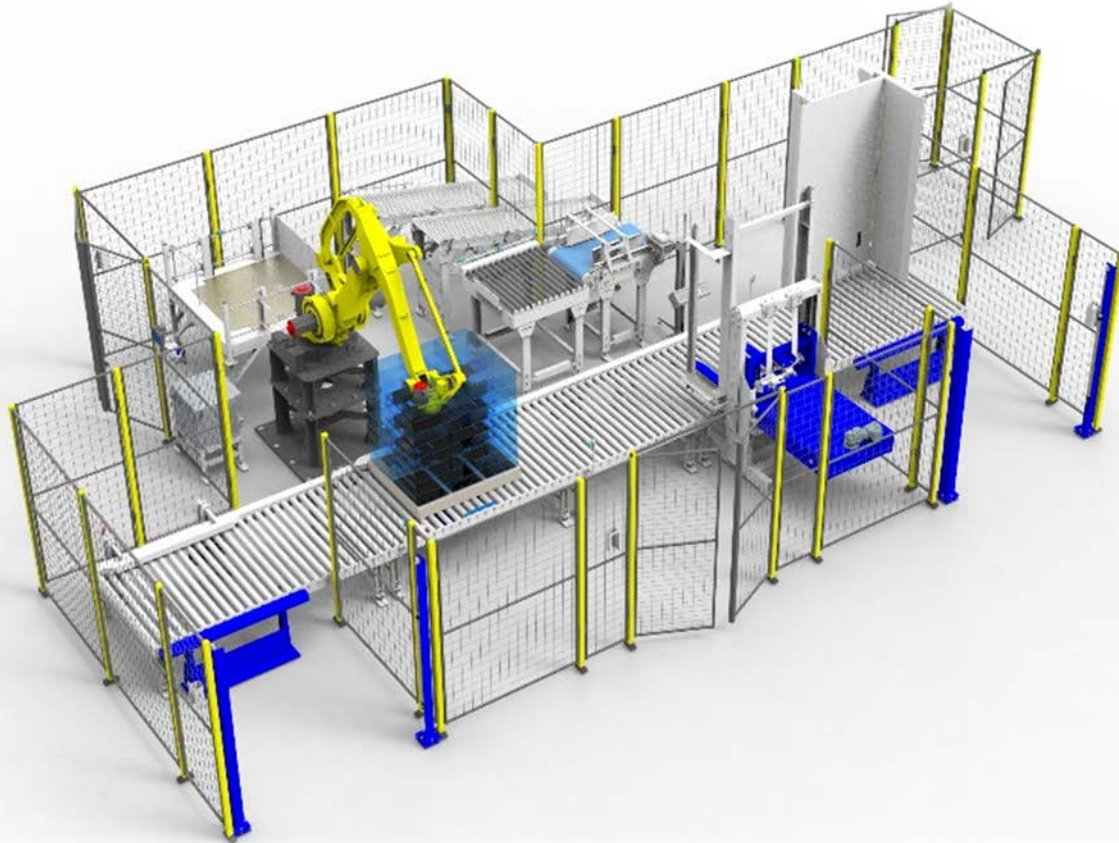
Sellado Ultrasonico de Sacos Tipo Valvula





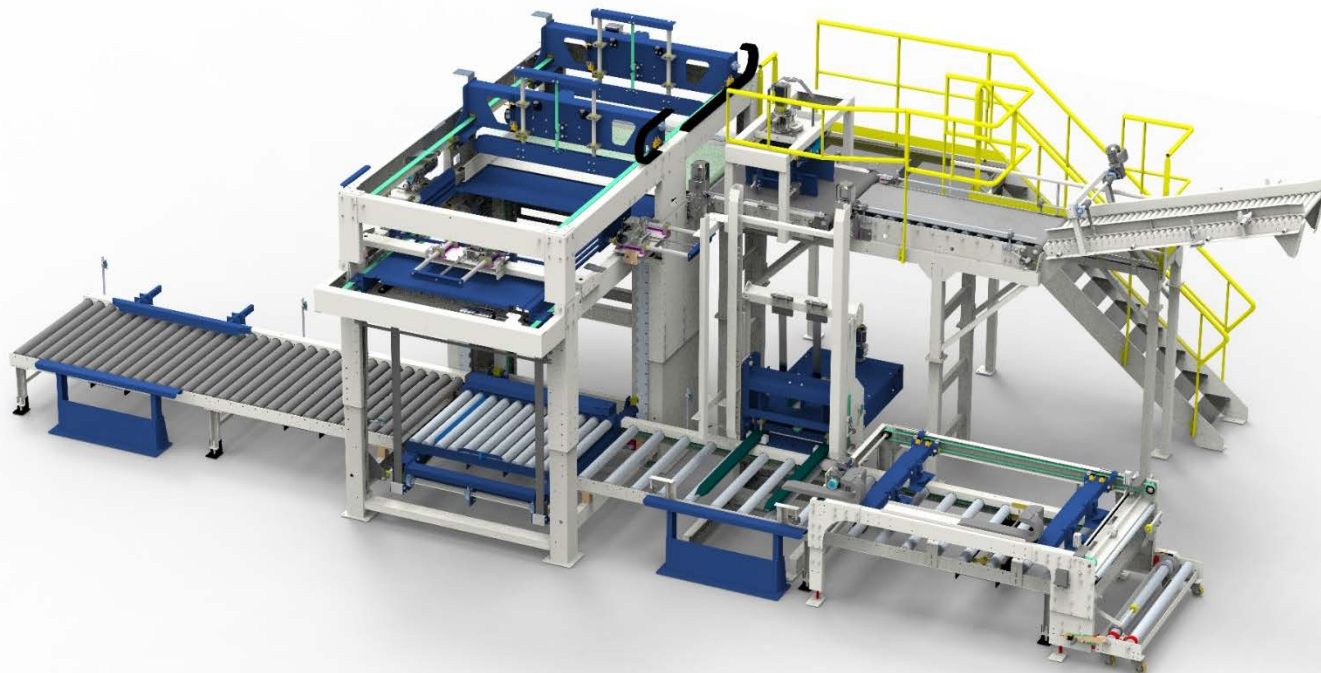


Robot



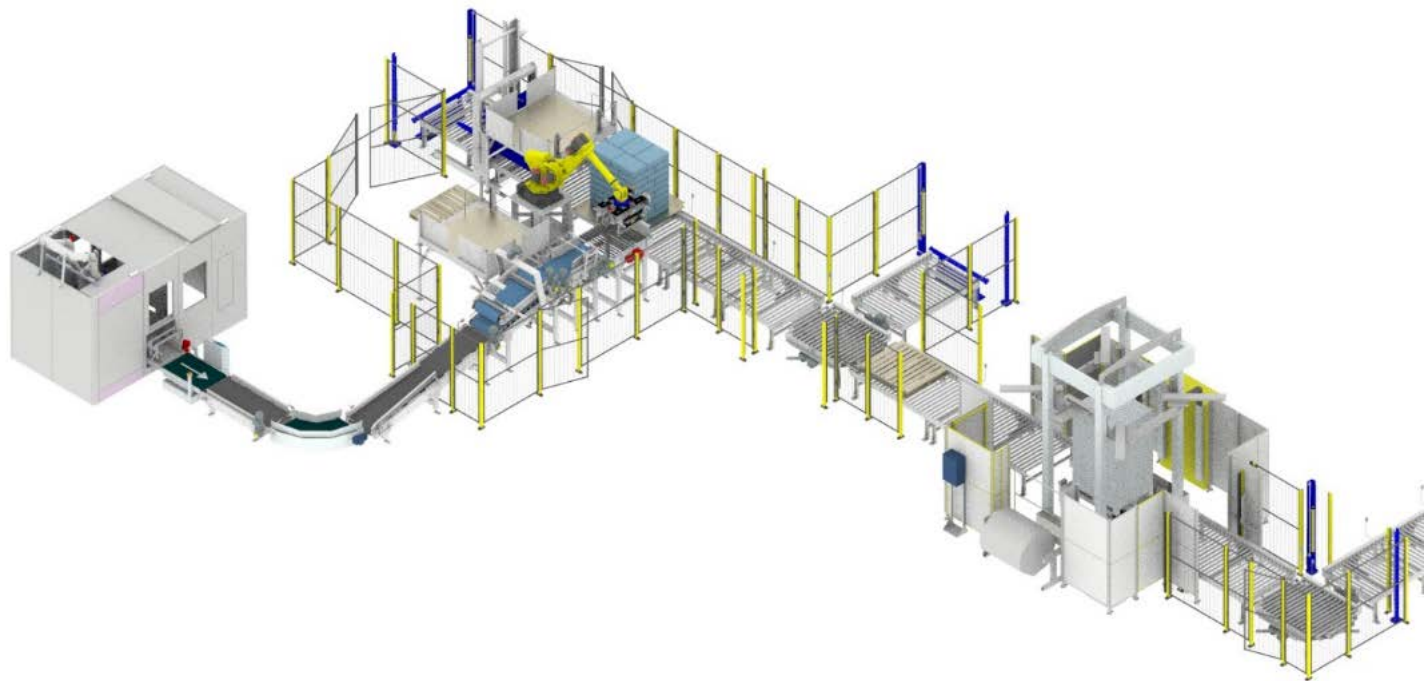


Paletizador



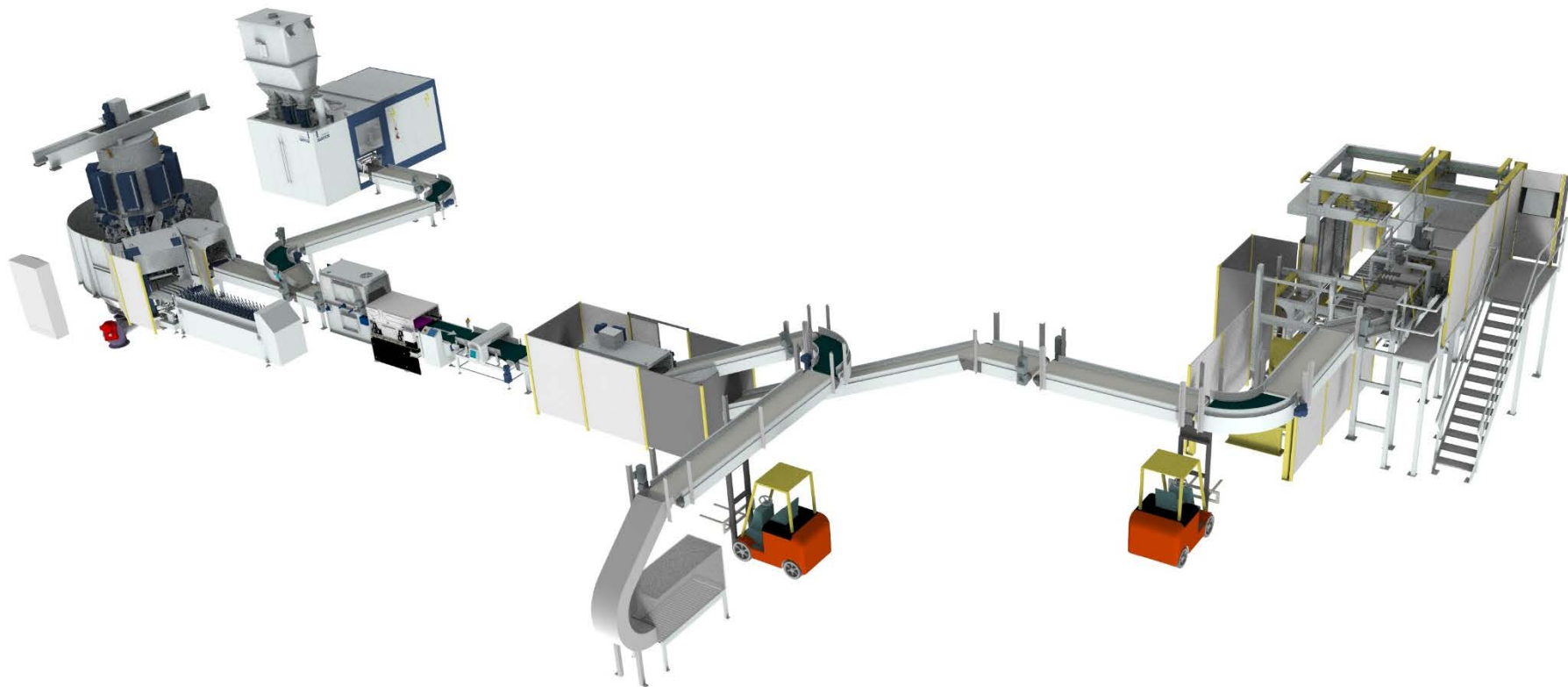


Linea Completa





Linea Completa



HAVER & BOECKER



Thank you.

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