

# Effective transport for non-conveyable parcels in distribution centers

## Roller Plates (Machined and Molded)



### The challenge of oversized and non-standard items

Rising e-commerce sales mean that distribution centers face a significant increase in the number of irregularly shaped, non-conveyable packages that are difficult to transport. Products such as tires, carpets, hoses, and totes require special logistical handling in the warehouse. The manual cart systems currently used are inefficient and pose safety issues, while belting solutions can bring drawbacks that include high weights and sorting problems.

To help you solve this growing problem, Habasit has developed roller plates that are easy to install, adjust and repair. Based on rolling friction, they solve many issues with irregularly shaped packages and non-standard items.

## New solution ensures easier, cost-saving transport

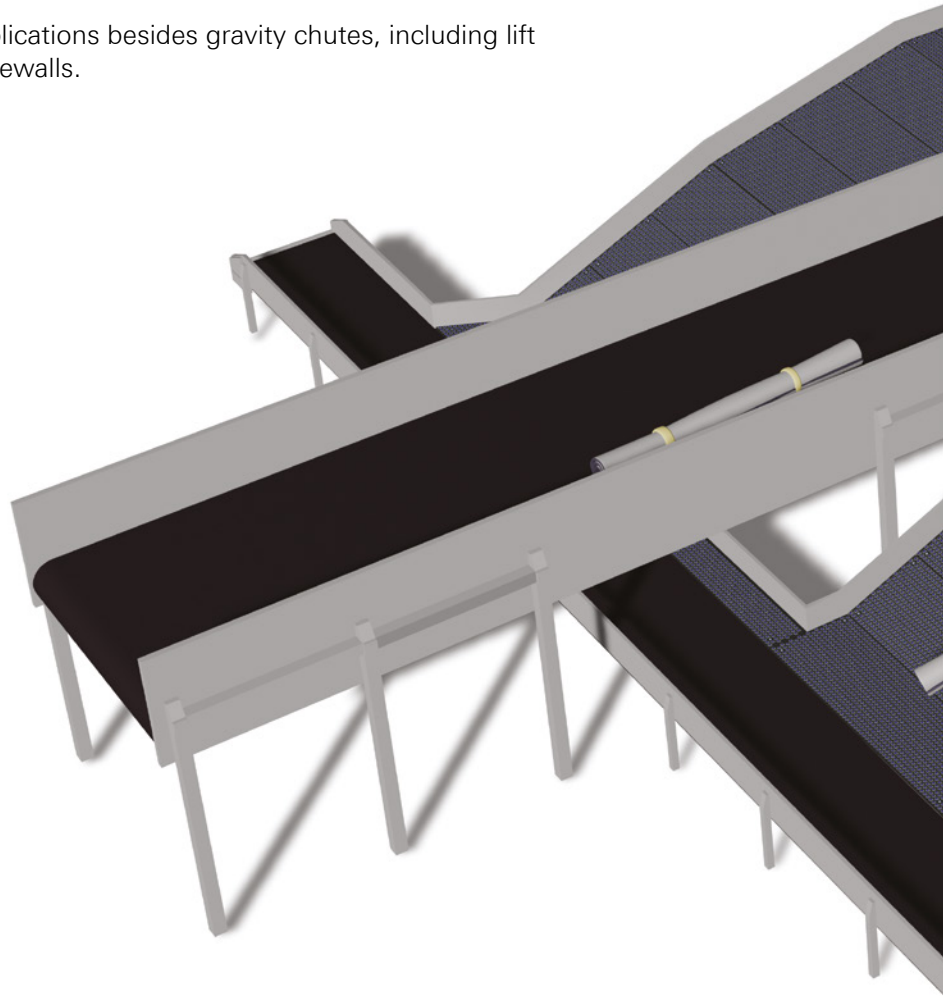
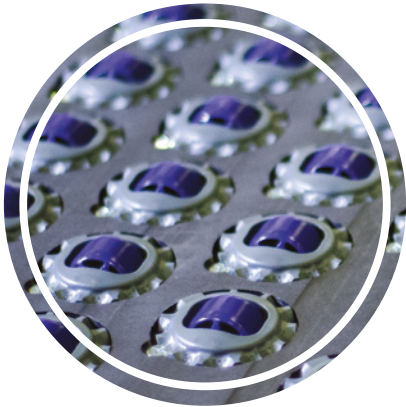
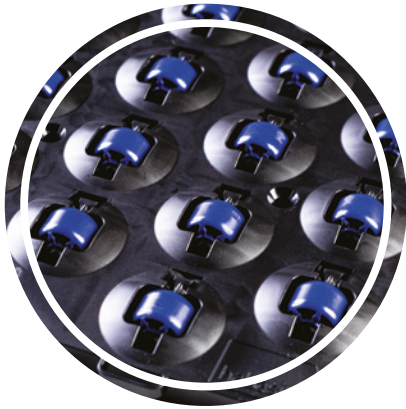
Every gravity chute has a unique configuration, and is customized to the application. To cope with this, we offer two types of plates:

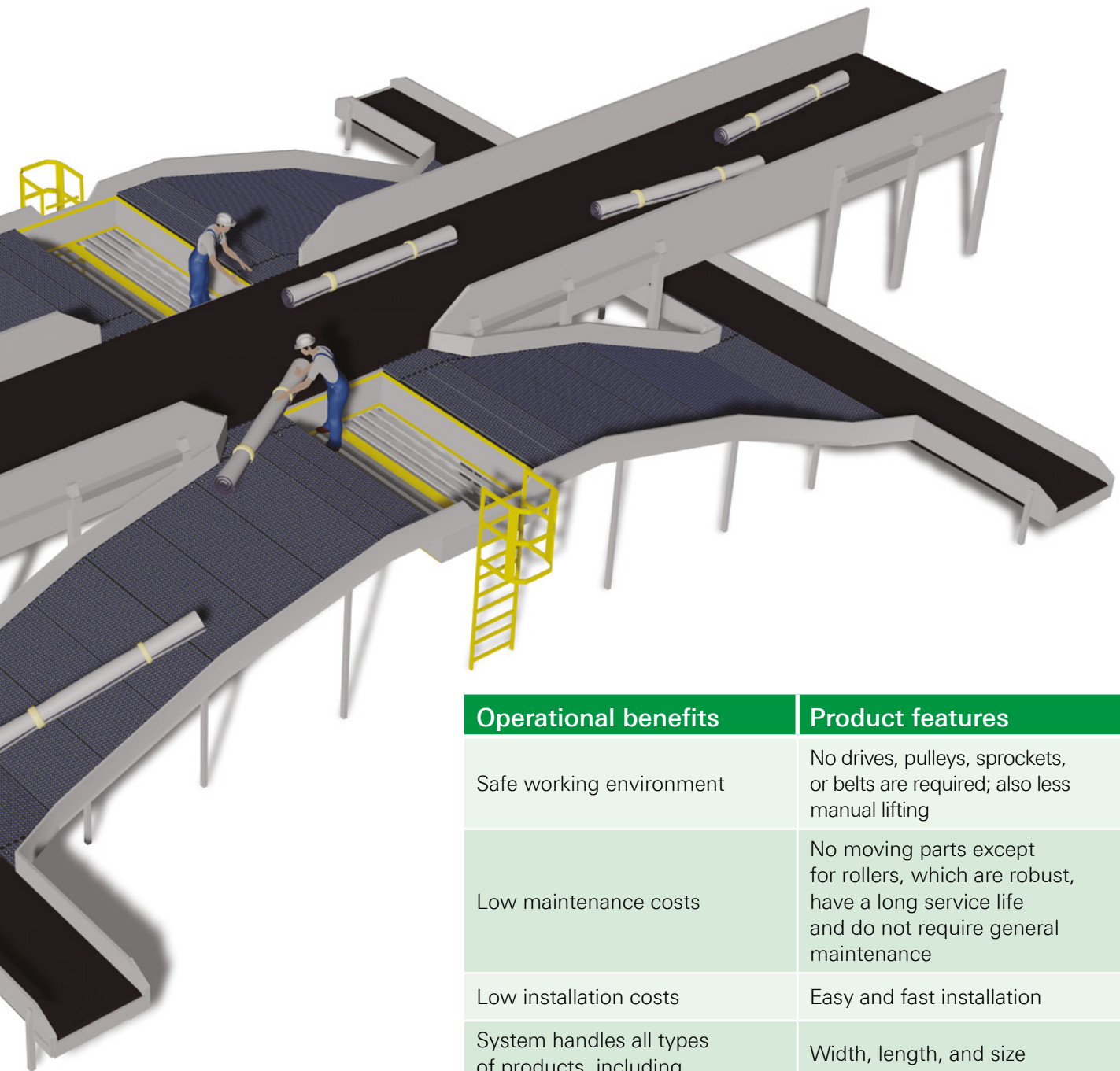
- Machined plates cut to size to fit into position, which need a specific roller orientation
- Molded plates for standard, straight-run gravity chutes

Both versions are often used on the same chute line, and since the molded and machined plate roller heights are identical, they can be used together without any application issues.

This system provides simple and effective transport automation, unlike manual transportation by carts, and there is no need for electrical energy. It also reduces manual work (no moving or lifting of parcels on and off carts). As a result, it delivers measurable cost savings and reduces potential injuries.

The roller plates can be used in many applications besides gravity chutes, including lift gates, skate wheel replacements, and sidewalls.





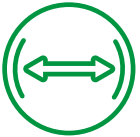
Operational benefits	Product features
Safe working environment	No drives, pulleys, sprockets, or belts are required; also less manual lifting
Low maintenance costs	No moving parts except for rollers, which are robust, have a long service life and do not require general maintenance
Low installation costs	Easy and fast installation
System handles all types of products, including oversized items	Width, length, and size can be customized
Can change direction as required	Orientable rollers can direct products to the center or side
Reduced downtime	Robust structure of the roller plates ensures reliable operation. Roller or plate replacement is easy, further reducing downtime

# Machined roller plates

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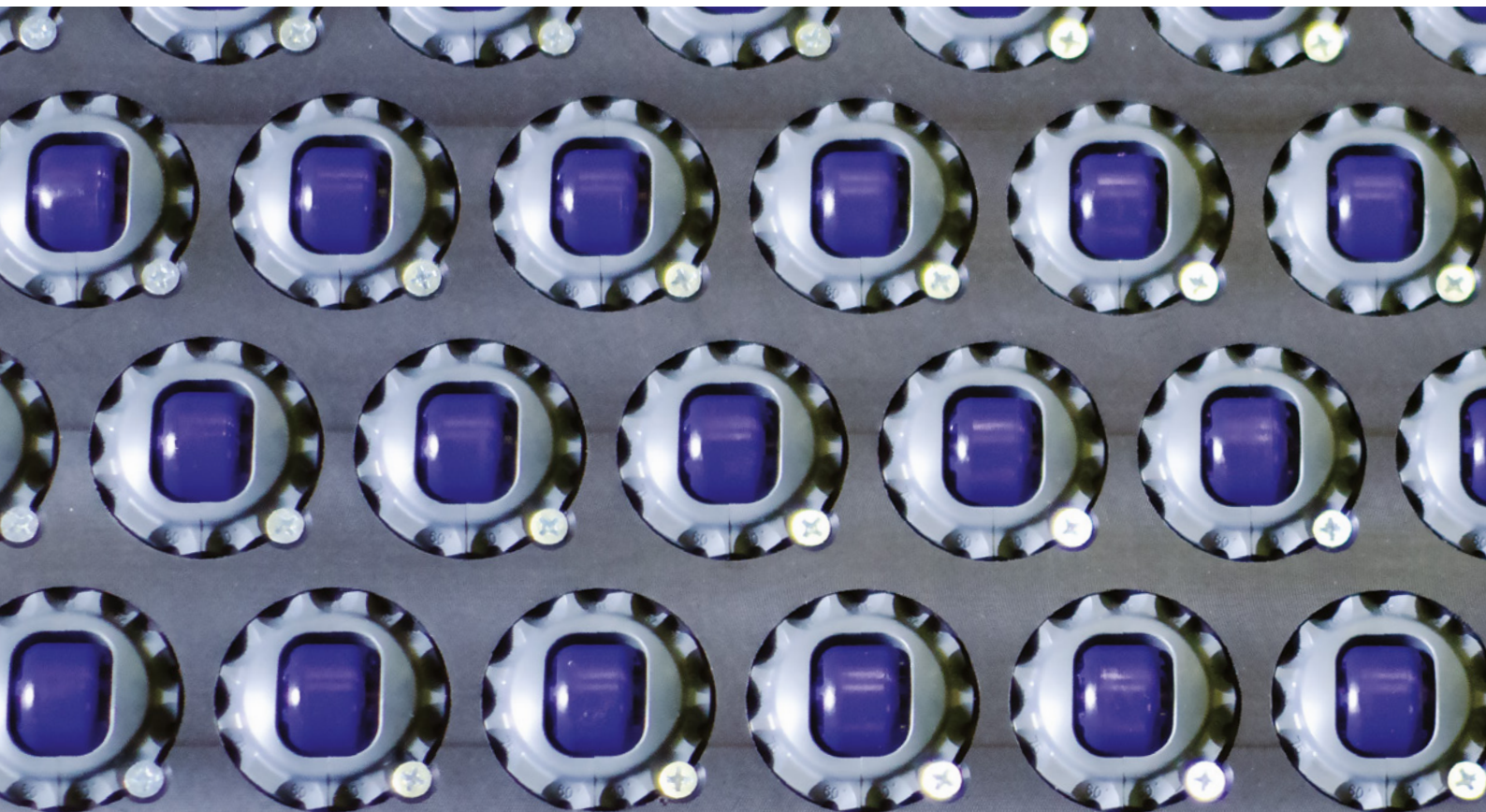
**Easy maintenance** – Any broken parts are easy to repair from the top by simply removing the screw, pulling out the broken roller, and installing a new one. This saves maintenance time and costs.

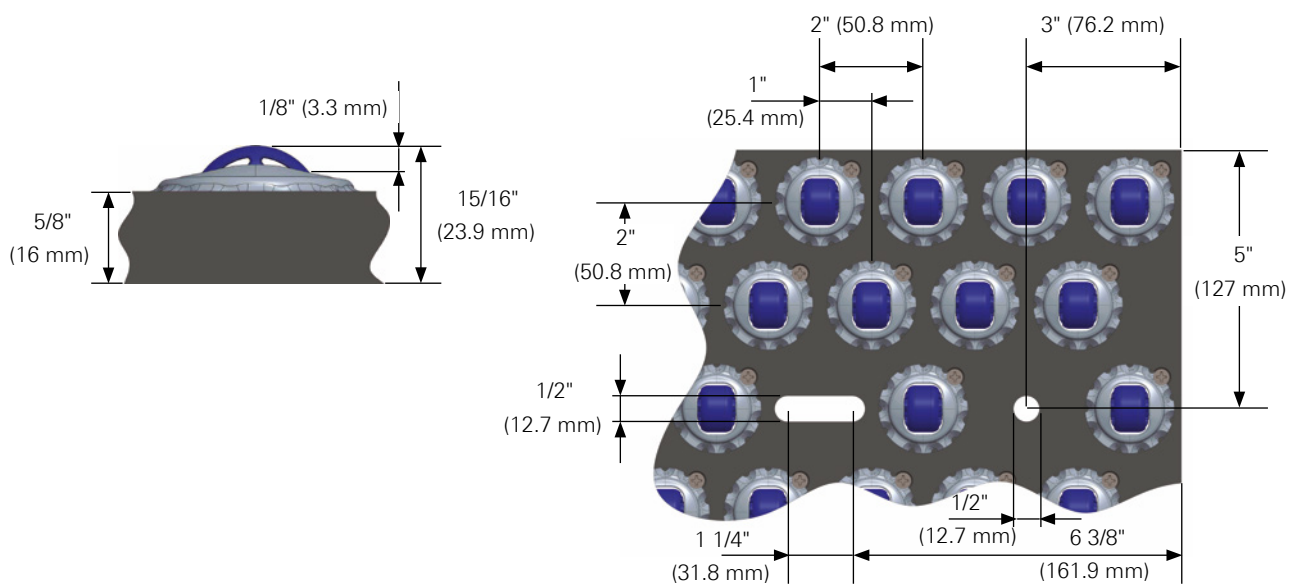


**Tailored to size** – Habasit roller plates are cut to size, with no need for field adjustments. This means a better physical appearance and less work. Each plate is attached by sliding it over two pins; no bolts are required.

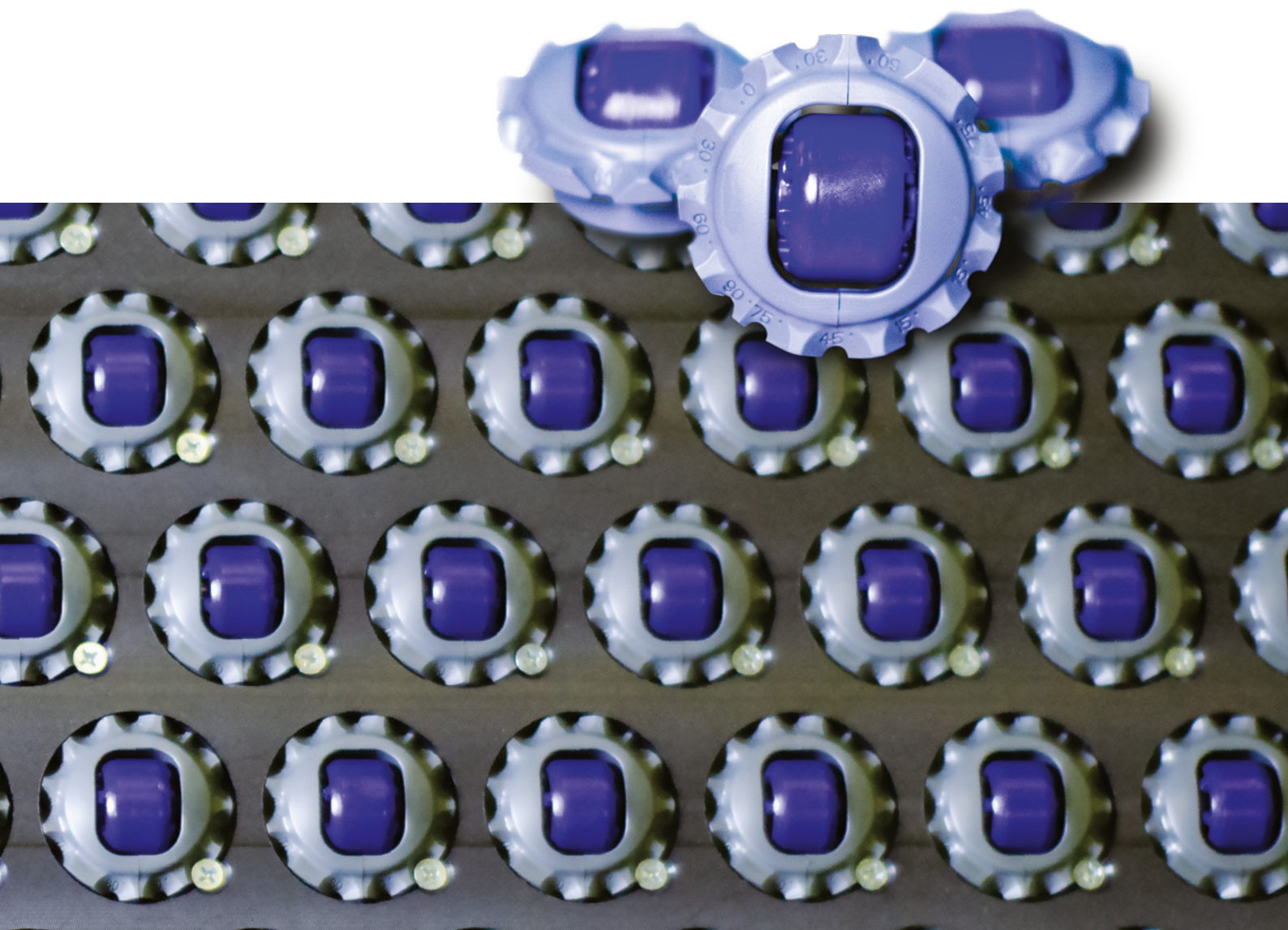


**Flexibility** – Rollers can be assembled with different orientations to change the direction of the products as required.





- The maximum machined size is 4' x 10' (1219 mm x 3048 mm) – in any shape required, cut to size (multiple sheets)
- Machined plates have an adjustable roller orientation of 0°- 90° in 15-degree increments



# Molded roller plates

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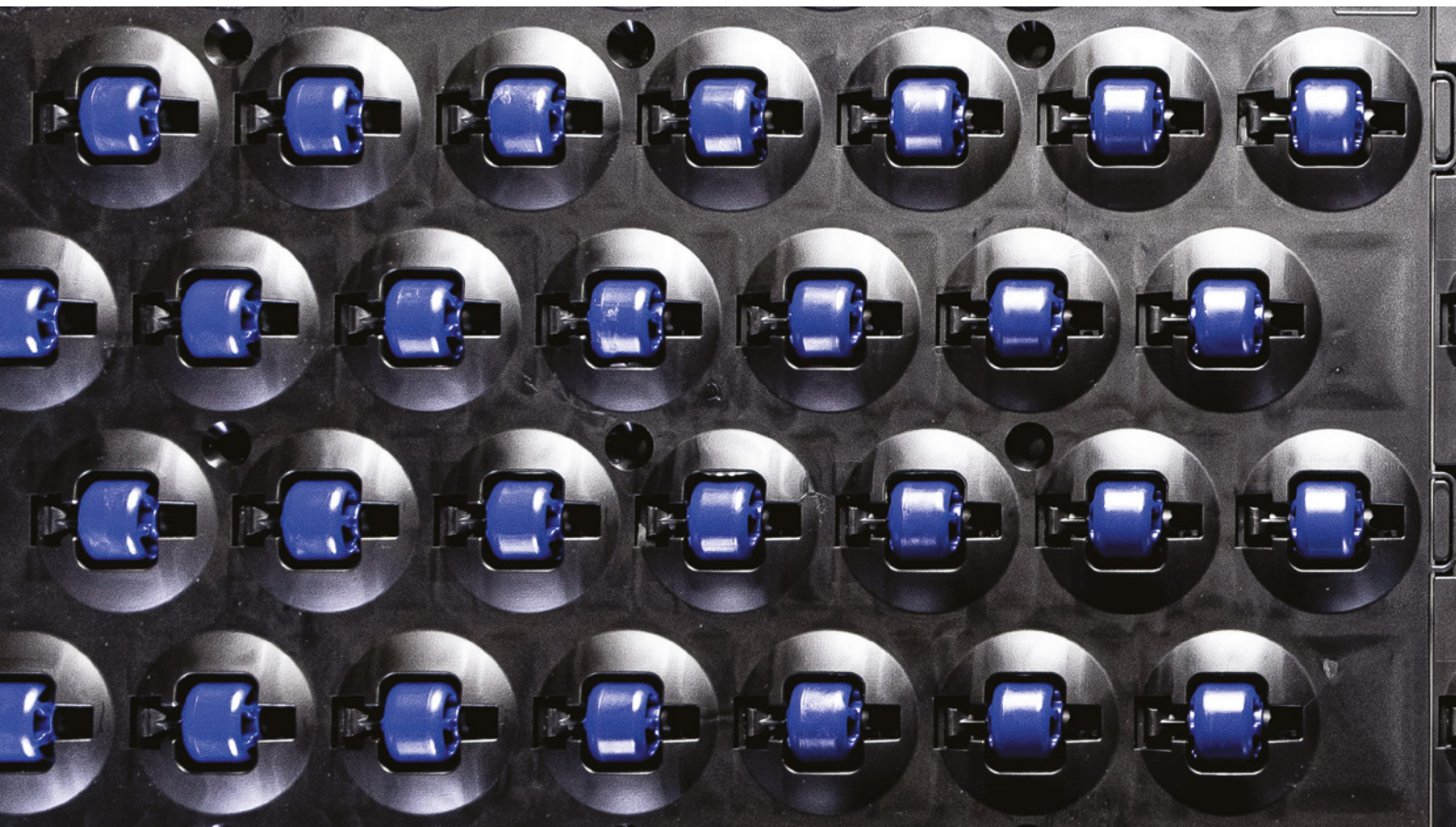
**Easy repair and replacement** – Molded roller plates are easy to install and repair, and are ideal for handling non-conveyable packages.



**Short delivery lead time** – Habasit molded plates are shipped from stock, to get you moving as quickly as possible.



**Standard size** – Molded plates are available in standard sizes, which makes chute design easy and installation as simple as laying floor tiles.










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