

# EXPERTISE & INNOVATIONS



## THE TOOLING DEPARTMENT

is organized around a dedicated customer follow-up. Our experts are delivering:

1

### Personalized studies & follow-ups

You benefit from a personalized study & follow-up that is adapted to your chosen glass plant and to your types of carousel machines.

2

### Sum-ups

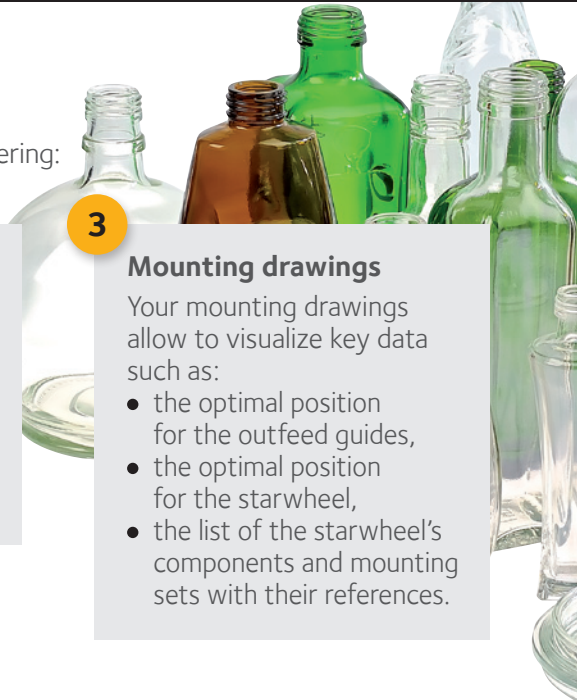
In your sum-ups file, we keep a record of all the ordered references and the precise machines' definitions (radius, machine's orientation, detections, product-mix...).

3

### Mounting drawings

Your mounting drawings allow to visualize key data such as:

- the optimal position for the outfeed guides,
- the optimal position for the starwheel,
- the list of the starwheel's components and mounting sets with their references.



## YOUR BENEFITS:

- Tiama is capable of **providing a complete comprehensive view** of your product-mix in accordance with your carousel machines.
- **We support you** with your future projects (tooling sets anticipation) and your new detections.
- We offer you all **our expertise to optimize** your machines' performances.

Tiama selects carefully all the tooling materials to ensure:

- The best adaptation of the material to your machine's configuration,
- The lowest possible article friction coefficient,
- An optimized value for money AND quality.

Tooling parts available ranges:

- Starwheel thickness: from 12 to 100mm,
- Starwheel number of pockets: from 6 to 48,
- Rollers: adapted to ALL articles' shapes (standard or specific).



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## THE “PIT-STOP” RANGE

**“Pit-stop” rollers:** the fastest and simplest way to replace your rollers not even loosing a second.

Replacement time: 1/3 of the time previously required.

*This option is available on your current starwheels as a replacement of your standard solution.*



## “Pit-stop” starwheel portions:

the fastest way to replace a defective starwheel thanks to specific removable parts.

## “Pit-stop” mounting starwheel:

job-change time optimization through a new ergonomic mounting solution: starwheel is now fixed with only one nut.



## THE “PIT-STOP” RANGE BENEFITS:

- No more need to dismount and disturb your carousel machine,
- No risk of loosing washers, axis and screws,
- Use of a unique wrench to screw and unscrew.

## SPECIFIC INFEEDS SCREWS:

Fully adapted to non-round article's shapes ensuring a better introduction in the starwheels.

We can offer an express delivery time – less than 14 days (based on the provided customer's samples).



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