

WE ARE GLASS PEOPLE

HEYE

SERVO TAKEOUT

Type 2332



THE HEYE SERVO TAKEOUT

The Heye Servo Takeout serves to transport finally blown glass articles in a careful way from the blow mould onto the dead plate.

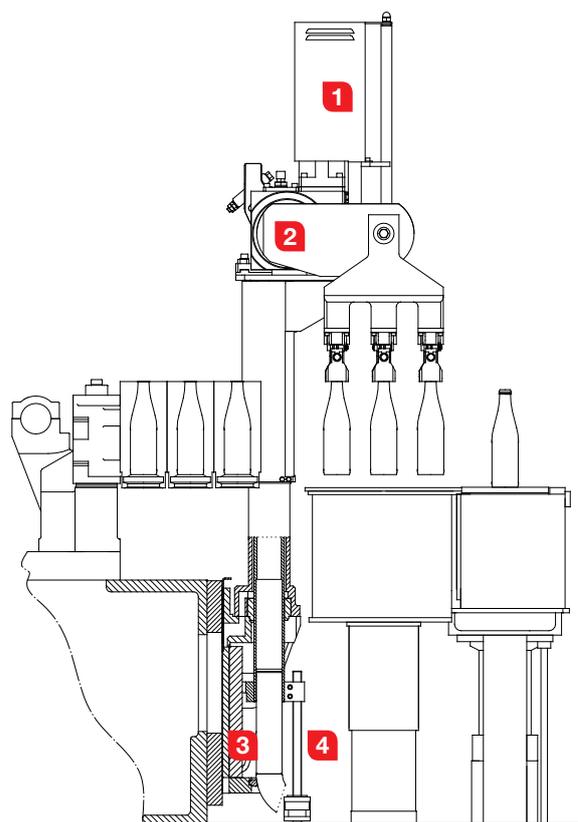
Feature

- The Takeout is driven by a servo motor (1) and is controlled by the HMST drive system (see separate data sheet)
- The motor drives the takeout arm via a low-backlash highly stressable worm gear (2).
- The Servo Takeout is easy to mount at the IS box by means of a console (3). Existing machines can be retrofit without high effort
- The Takeout is applicable for 4¼" TG, 5" DG, 5½" DG and 6¼" DG IS-Machines.
- It can be adjusted to the article height by means of an adjusting spindle (4).
- The functions are synchronised by signals from the E-Timing of the IS-Machine.

Function

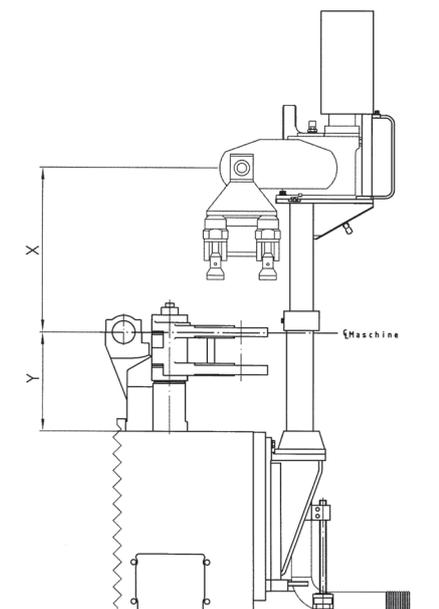
To optimise the process time four different motion profiles are selectable. By these profiles it is possible to adapt the takeout movement to the transfer speed of the subsequent parison.

The gripping-, dead plate- and rest-position of the gripper is programmable. That means: if the cooling position above the dead plate is changed, the conveyor must not be adapted in height in every case because the swivel range is not fixed to 180° (10).

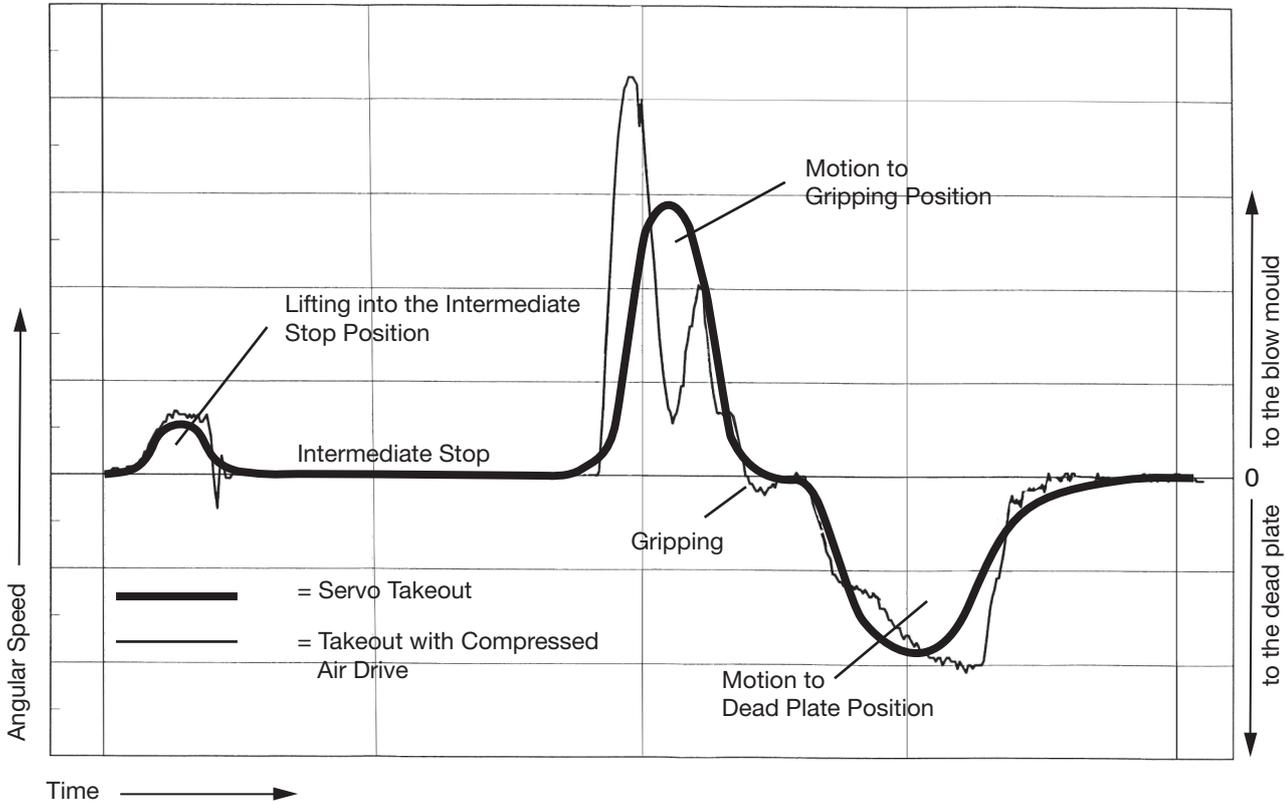


Adjustment range of the Takeout column

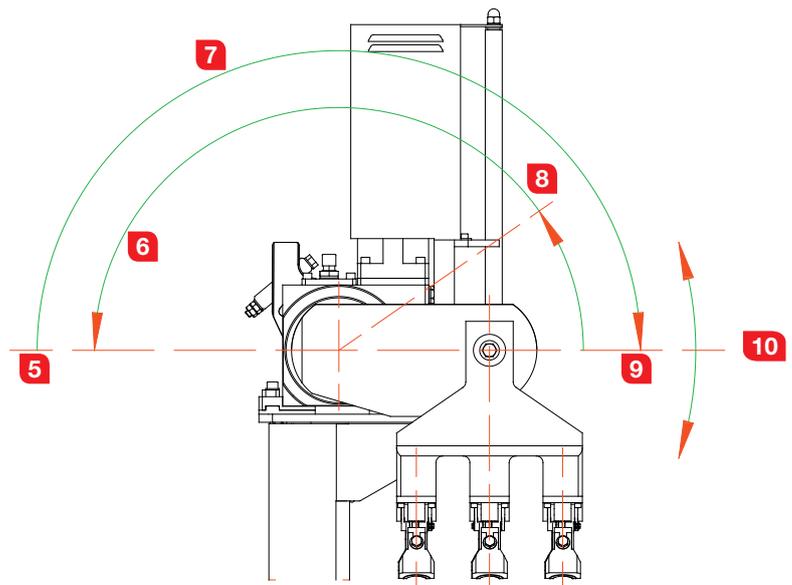
	X max.	X min.	Y
5" DG	465	290	298.4
5 1/2" DG	505	340	303.6
6 1/4 DG	505	340	303.6
4 1/4 TG	505	340	303.6



COMPARISON OF THE OUTPUT SHAFT MOTION PROFILES



- 5** Gripping position
- 6** Motion to gripping position
- 7** Motion to plate position
- 8** Intermediate stop
- 9** Dead plate position
- 10** Dead plate position is variable



OVERVIEW

Advantages

- Smooth movement compared to pneumatic drives
- All motion profiles are reproducible
- The motion profiles and the gripper position can be adapted during run
- The system is individually adjustable in all coordinates relative to the mould centre
- Gripper bridges and grippers of pneumatical systems can still be used

Scope of Delivery

The Heye Servo Takeout is either part of a complete IS-Machine or will be supplied as conversion kit for an IS-Machine.

Part of a conversion kit are:

- Complete Takeouts (without gripper bridges and grippers)
- Clamping stop rings for the takeout arm according to the customer's specification
- In case of an initial equipment: alignment gauge
- Cable- and cooling air pipes
- If needed 3/2-way valve for the gripper control
- Control cabinet
- Motor cable set
- Connection box „motor and resolver cable“
- Cable set „Control cabinet – connection box“
- In case of initial equipment: PC for visualisation

Technical Data

- Control max. 32 drive modules in one control cabinet
- Dimensions of the control cabinet width/height/depth 800 / 2000 / 800 mm
- Ambient temperature for the control cabinet max. 35°C
- Weight of the control cabinet 200 kg (in case of 32 drive modules)
- Input voltage 400/230 Volt, 50/60 Hz, three-phase, with neutral conductor
- Rating per module approx. 1 kVA at nominal current

Emissions

- The A-weighted permanent sound pressure level of this system is below 70 dB(A)