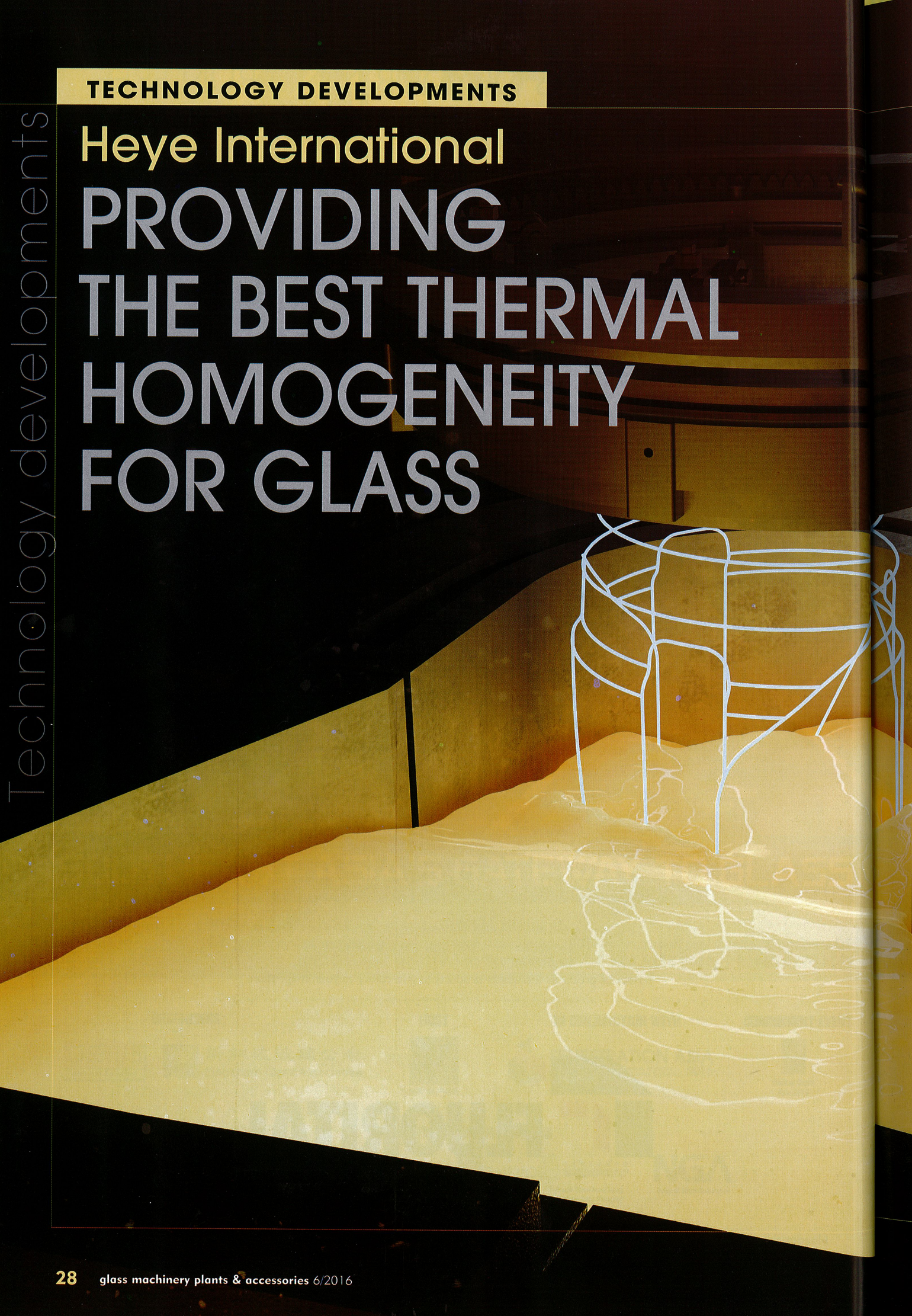
TECHNOLOGY DEVELOPMENTS

Heye International

PROVIDING THE BEST THERMAL HOMOGENEITY FOR GLASS



With a 50-year history of working with the glass industry, Heye International and its industry expertise, combined with the positive attitude and enthusiasm of its employees, is one of the foremost suppliers of production technology, high performance equipment and know-how for the container glass industry worldwide.

HEYE ROTOR MECHANISM

Delivering superior thermal homogeneity and top weight consistency, the Heye Rotor Mechanism has been widely adopted by the international hollow glass community, even by customers not operating the German company's advanced IS machines.

The rotating movement of the rotor segments provides good thermal homogeneity of the glass melt, the equipment's proven design guaranteeing reliable functionality and a long lifetime. Retrofit installations are possible.

Function

The Heye Rotor Mechanism Type 237F11 is mounted at the forehearth/feeder channel. By a rotating movement of the toothed ring, three paddles provide a stirring movement in the glass melt and thereby, keep it homogenous. Unlike traditional designs that employ rotating tubes, this innovative mechanism guarantees very high thermal homogeneity. The movement generated is deflected at the bevel wheel by 90o (from horizontal to radial), so that the sprocket executes a rotating movement.

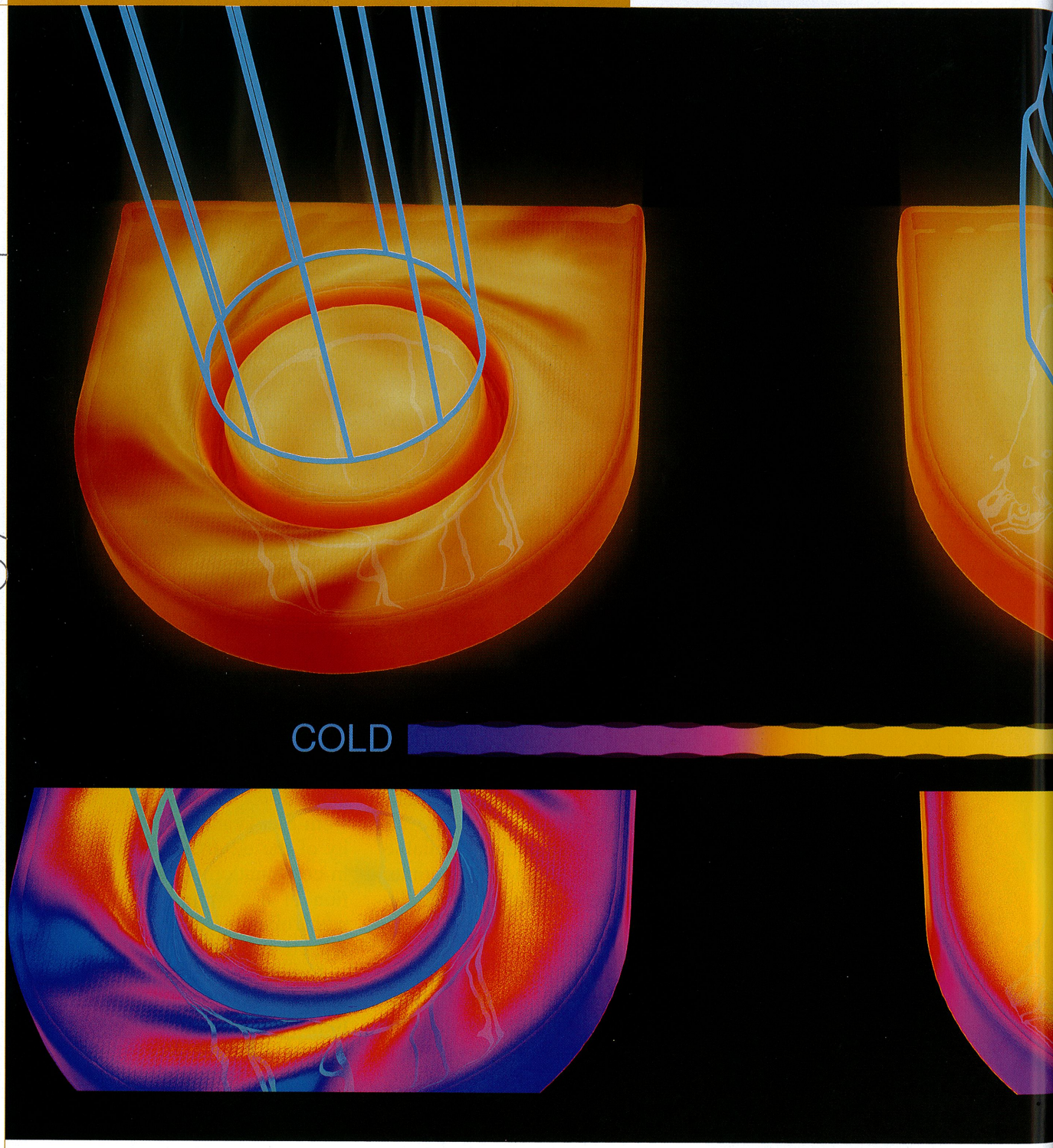
The servo motor motion is controlled by Heye Simotion® Servodrive, based on the future-proof multi axis Simotion® drive system from Siemens. Excellent reliability of electronic components in combination with the application of a compact servo motor with robust resolver guarantees reliable, non-stop operation.

Heye Simotion® Servodrive

This highly-flexible control is based on the future-proof multi axis drive System Simotion® from Siemens. Excellent reliability of the electronic components in combination with the application of a compact servo motor with robust resolver guarantee a reliable non-stop operation.

Even with respect to servicing this control is perfect as it is easy to handle. If control components should have to be exchanged complicated manual addressing or programming is not necessary because all the configuration data is stored on a memory board.

When the control is started the data are automatically transferred. This allows short commissioning and service times and reduces training time for service staff. Fault and operating messages are registered by the control unit with date and time and can be read in detail on the touch-screen anytime.



SAFETY ABOVE ALL

All movable parts are located behind an easily demountable safety housing. The rotor mechanism's drive is torque-controlled and if blockages occur, the system stops.

Proven benefits of the Rotor Mechanism include good thermal homogeneity, high weight consistency, variable speeds, the ability to change the direction of rotation, the provision of a high mechanical equipment lifetime, the uniform rotation of rotor segments, height adjustment and complete housing of mechanical components.

Advantages to be obtained are:

- thermal homogeneity;
- high weight constancy;
- variable speeds;
- change in direction of rotation possible;
- high lifetime of the mechanics;
- uniform rotation of the rotor segments;
- complete housing of the mechanics;
- manual height adjustment.

Heye International

Based at Obernkirchen, Germany, Heye International GmbH is one of the international glass container industry's foremost suppliers of production technology, high performance equipment and production knowhow. Its mechanical engineering has set industry standards for more than five decades. Extensive industry expertise, combined with the positive attitude and enthusiasm of Heye International employees is mirrored by the company motto 'We are Glass People'. Its three sub-brands HiPERFORM, HiSHIELD and HiTRUST form the Heye International equipment portfolio.

heye international

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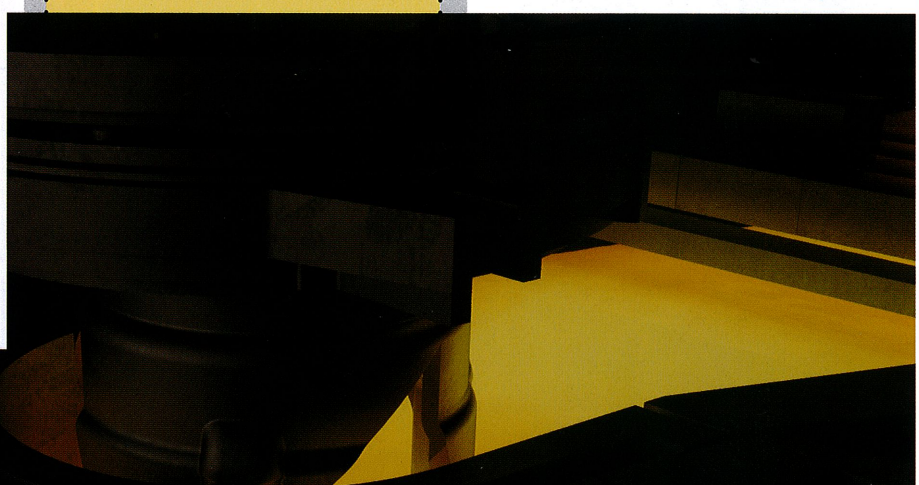

HEYE ROTOR MECHANISM

FOR SUPERIOR THERMAL HOMOGENITY
AND TOP WEIGHT CONSTANCY