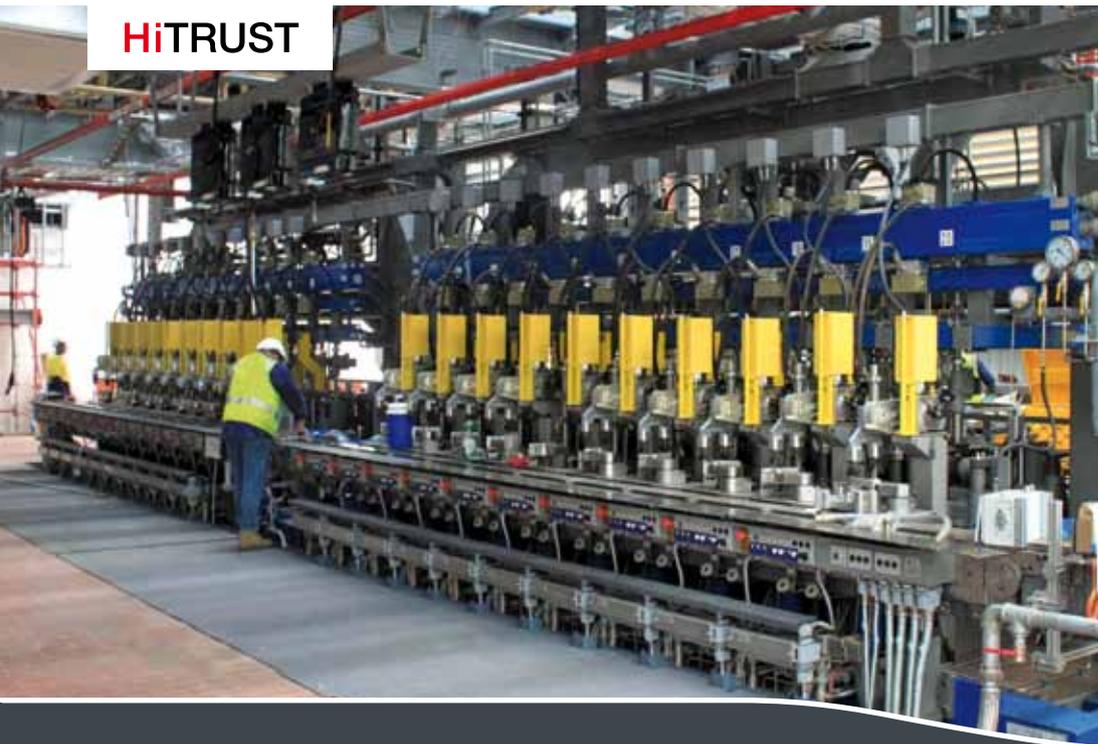


HOT END ENGINEERING EFFICIENT AND SAFE PRODUCTION

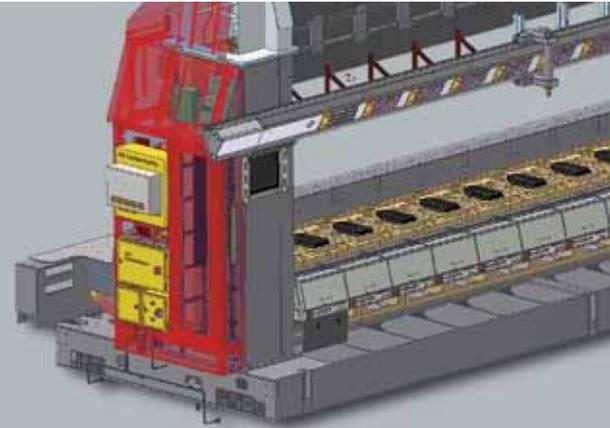
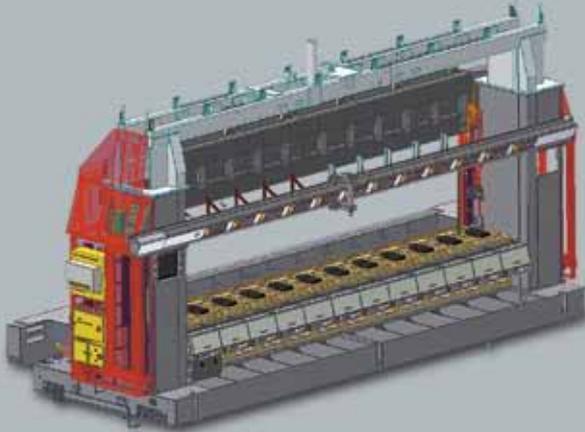
HiTRUST



WE ARE GLASS PEOPLE

 heye
international

HIGH EFFICIENCY SAFETY IN PRODUCTION



The Installation of a new IS-Machine is a huge investment. To minimize the production downtime, the installation has to be well prepared. With the Heye International Hot End engineering Hot End installation parts can be pre-fabricated and the interfaces will be defined. The result is a efficient production based on the proofed ergonomic design, the protection of your machine operators and Hot End equipment.

HiTRUST

Heye International is synonymous with quality and innovation in every conceivable type of container glass production, gained from many projects all over the world. We call this knowledge HiTRUST and through this initiative, in close partnership with you, we can manage any and every aspect for an efficient and safety production.



DESIGN COMPETENCE FOR EFFICIENT PRODUCTION

The target for the installation of a new IS-Machine must be an efficient production. This requires a stable container production and needs a global view to all aspects which have an influence to the production, beginning with simple things like e.g.:

- Correct gob falling height
- Inclination of the machine conveyor extension
- Position and design of the machine control room
- Design of a Hot End coating hood lifting device

Ergonomically design is not only an argument to be user-friendly, this has also an effect to the productivity.

A elaborate designed hot end which assures good access to all areas around the IS-Machine and operating elements, allows your operators to react faster and keep their high production level.

KNOW HOW TO PROTECT OPERATORS AND EQUIPMENT

Working with hot glass is always difficult and keeps a certain risk. Therefore Heye International takes special attention on discharging of the hot glass into the scraper. Also the protection of equipment, e.g. protection of cables, against the hot glass is important. A breakdown of the production based on a burned cable will be more expensive than a careful cable routing and protection from the beginning on.

But there is not only the hot glass which has a risk to the equipment and the operators. Also the water which is always around the IS-Machine to cool the glass and guide it into the scraper has the potential to breakdown the production by penetrating into electronic components.

Furthermore the CE-Certification of the Hot End becomes more and more important, Heye supports here also with basic information like:

- Noise analysis
- Safety arrangements
- Fire fighting proposals
- Requirements in the design regarding cleaning of the Hot End area (HACCP)

The Heye International Hot End engineering considers all this aspects in the design for the Hot End and protects your operators and your equipment.

EXPERT KNOWLEDGE FOR INSTALLATION

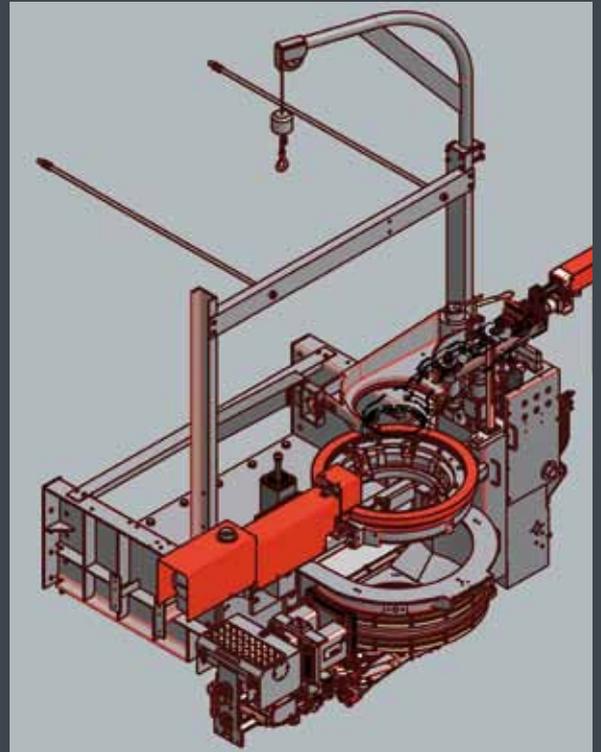
The Heye International Hot End engineering helps to protect your equipment, your operators and gives the framework for an efficient production. But this is not all, also the installation of new IS-Machines or the modernisation of the whole Hot End area the Heye International Hot End engineering bring a benefit.

Based on a clear definition of the interfaces between the equipment and the suppliers the scope of work can be scheduled precisely for all equipment suppliers and installation contractors.

In the detail planning we give a clear definition of the cable lengths, based on the positions of the control cabinets and cable tracks.

The design of the pipe routing allows to pre-fabricate parts, scheduling the work and avoids collisions. A detailed planning of the machine transport to their location permits an exact planning and organisation and saves time.

All this together reduces the downtime of the production for the modernisation of the Hot End area and ends with an efficient and safe production.



STRUCTURED PROJECT MANAGEMENT

Each project has his own professional, highly experienced project manager, who leads every step and is the consultant for the customer. Therefore Heye International developed their own Project Management Handbook, called PM@Heye, which is based on the international PMI rules. With PM@Heye both project partners have a structured project programm with:

- Milestones
- Work packages
- Responsibilities
- Project organigram with contact person

The Heye International project managers will give continuous progress reports and are responsible for making sure the project is finalized up to quality standard, on budget and on time.

KNOW-HOW TRANSFER

WITH OUR TECHNICAL ASSISTANCE AGREEMENT

Modern glass container production is more than just using modern forming equipment.

The larger portion is determined by the methods and procedures and the way how all the stages of the process work and fit together.

Highly skilled employees are expensive and are becoming more and more difficult to find. In the day-to-day workings of a glass plant, special expertise is often necessary, not only when production is interrupted, but also when new technologies are being implemented or plant performance is being pushed to the next level.

A bespoke technical assistance service, where supplier and customer become true partners, is the answer.

HEYE INTERNATIONAL SOLUTION PORTFOLIO

Hot End production equipment

Cold End inspection solutions

Project management

Plant engineering

Hot End detail engineering

Technical Assistance Agreement