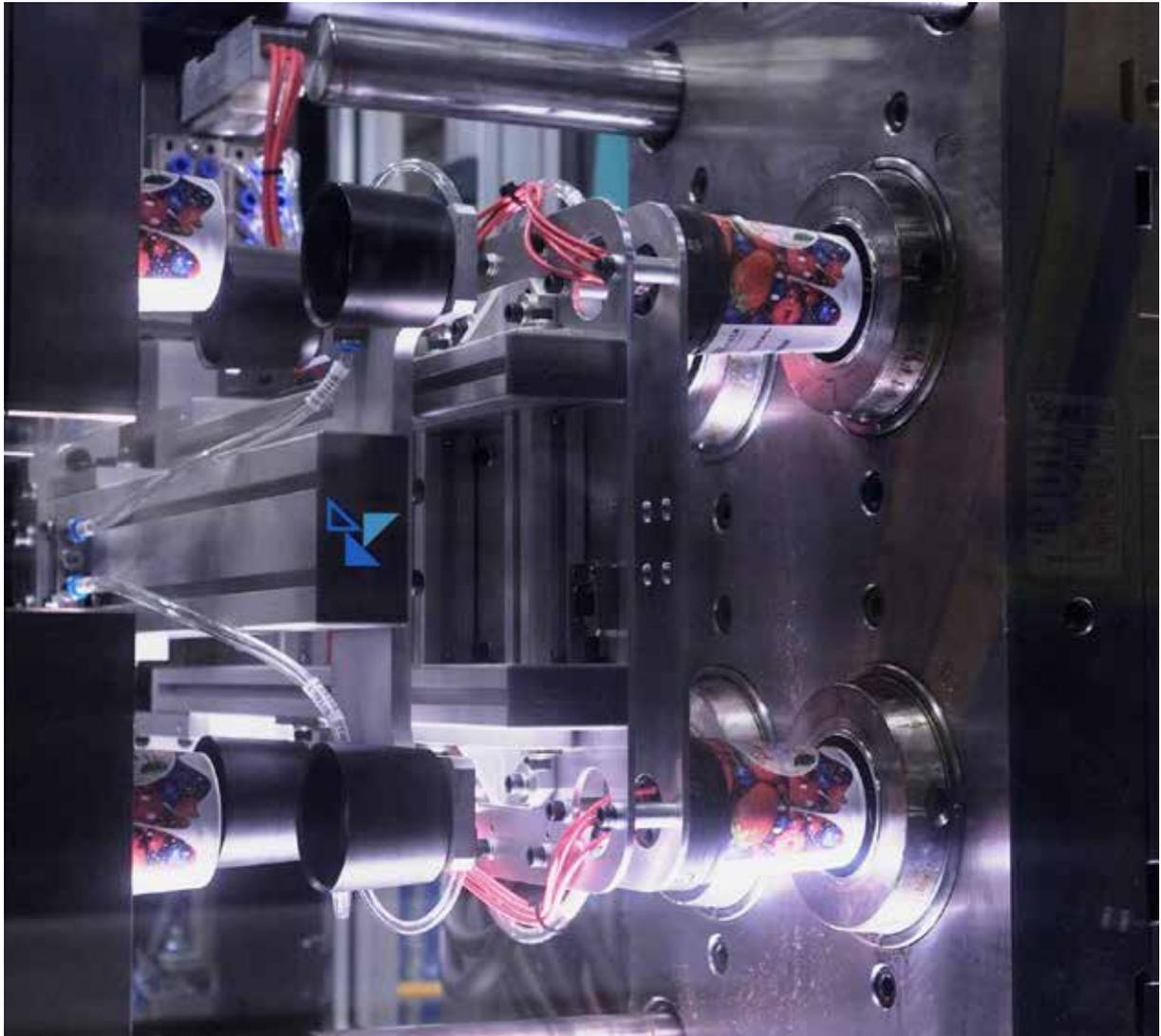


IML Robots and Turnkey Solutions

 **UTOMATION**



 **StackTeck**
Going Beyond

StackTeck Automation

One stop shop for integrated mold and automation solutions

- ▀ Culture of collaboration
- ▀ Turnkey approach
- ▀ Industry leading knowledge of packaging and medical applications
- ▀ Designed and manufactured in North America

Product Lines - Pre Engineered Modules

In Mold Labeling Systems

- ▀ Visually appealing, sustainable packaging
- ▀ Solution for containers and lids
- ▀ Single face and stack mold options
- ▀ Multi-label applications



High Speed Take Out Systems

- ▀ Fully integrated to mold ejection systems
- ▀ Ultra fast cycle times
- ▀ Options for convertability to stack molds and/ or IML



Integrated Product Handling and Inspection Systems

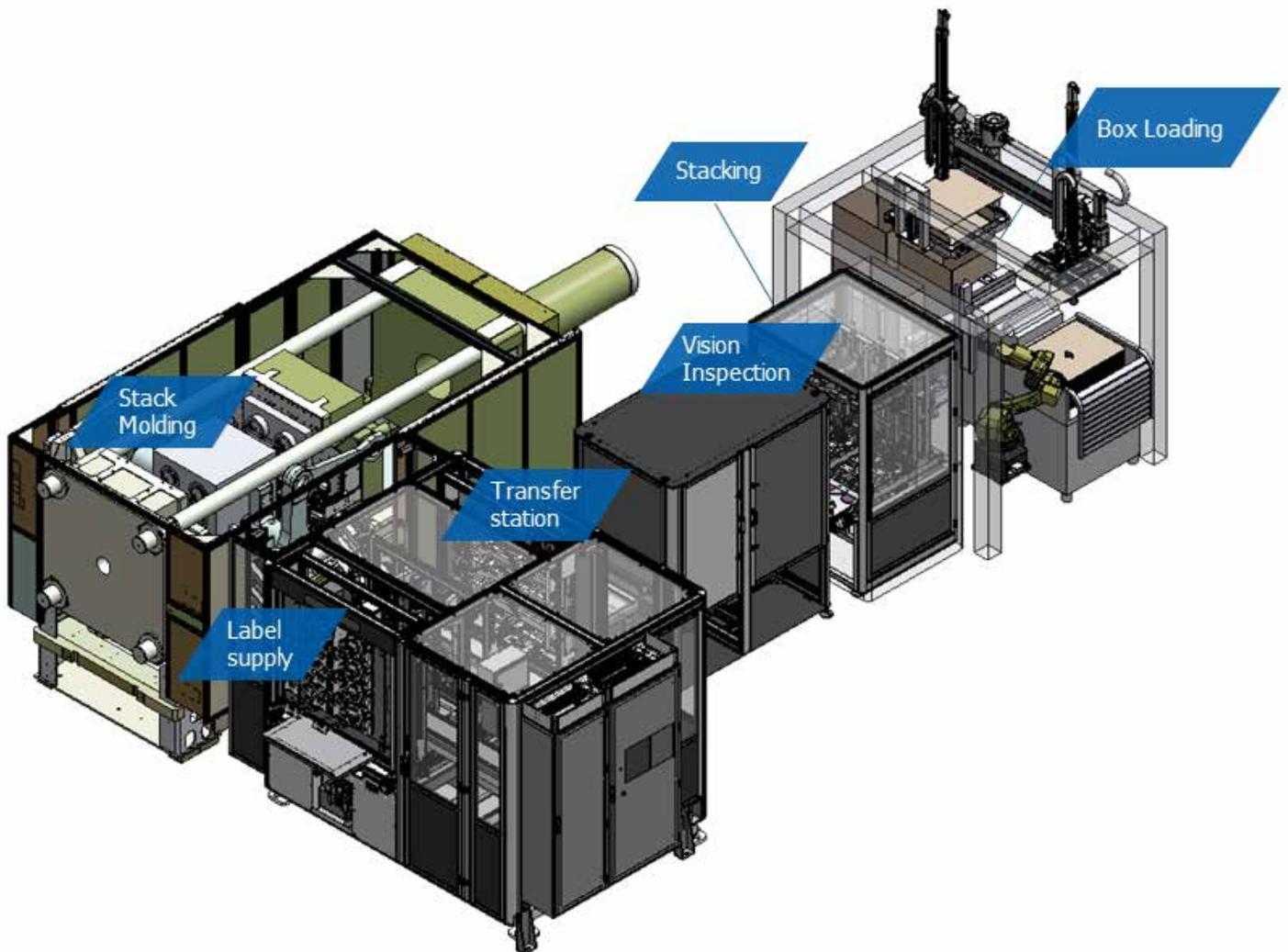
- ▀ Free standing servo stackers
- ▀ Part orientation technology
- ▀ Case packing and tray loading
- ▀ Vision inspection
- ▀ Automated box loading



Integrated Automation Solutions

Technology features

- Standardized platforms with modular components
- Optional features for Quick Product Change (QPC)
- Mold centric automation features
- Best in class industrial components
- Fully integrated turnkey approach



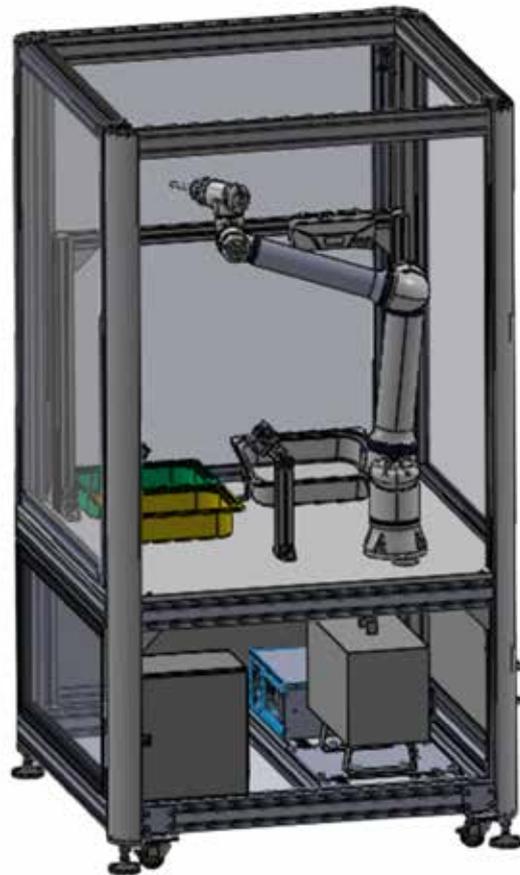
Services

- Prototype and pilot development
- Turnkey engineering
- Production cell development - proof of production
- Test market sampling runs

Advanced Automation Technologies

- ✔ Complete engineered solutions
- ✔ Integrated quality control systems
- ✔ High speed vision technology
- ✔ Automated assembly for multiple parts
- ✔ In-line or off-line from molding cell

StackTeck has accumulated experience of productivity improvement in the molding process for over 50 years developing new solutions by working and cooperating closely with our customers.



**In-Mold Decorating Association (IMDA) awards received five times.
StackTeck is a charter member of the IMDA.**





Smart Factory Solutions

Automating beyond standard modules including work cell automation all the way through the factory. StackTeck works with industry leaders in logistics and handling solutions.

- ▶ Injection molding automation - optimized production systems
- ▶ Inspection automation - stable continuous production
- ▶ Integrated logistics process - reliable quality control



Why StackTeck Automation

- ▣ Designed and built in North America
- ▣ 20+ years of IML experience
- ▣ Proven turnkey systems provider
- ▣ Onsite remote support in English and Spanish
- ▣ Dedicated service personnel



Custom Application and Functionality

IML automation available on a custom basis for:

- ▣ Multiple label applications
- ▣ Vision system integration
- ▣ In-line stacking and post-inspection systems
- ▣ Post-mold automation - assembly, decorating and packaging



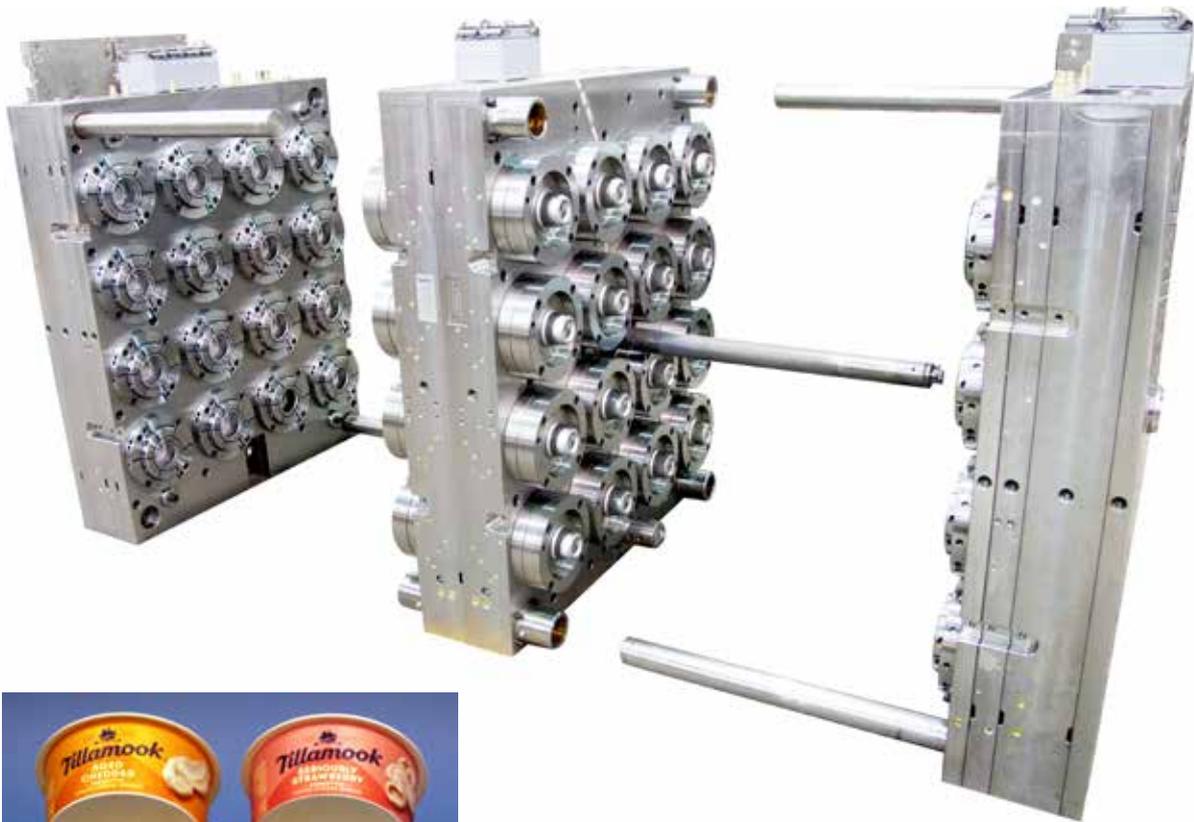
Various IML Samples





Built for Production

- ✔ Smooth and robust (just like our molds!)
- ✔ Fast and repeatable
- ✔ Modular and adaptable
- ✔ Hand-held tablet lets user access robot and stacking module settings
- ✔ Great operator access, well illuminated and safe
- ✔ Global, industry leading commercial component suppliers

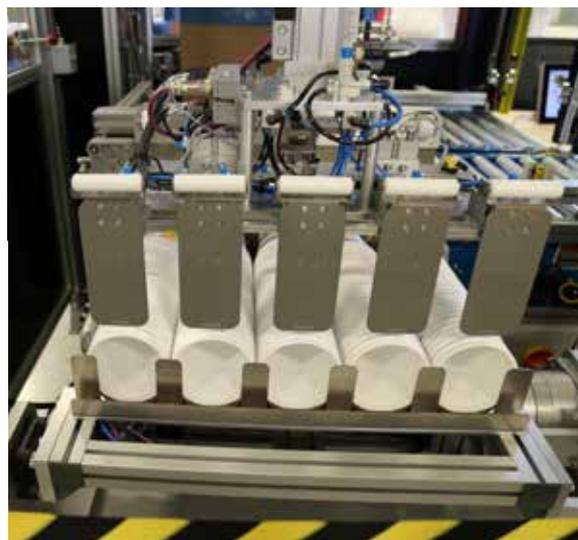
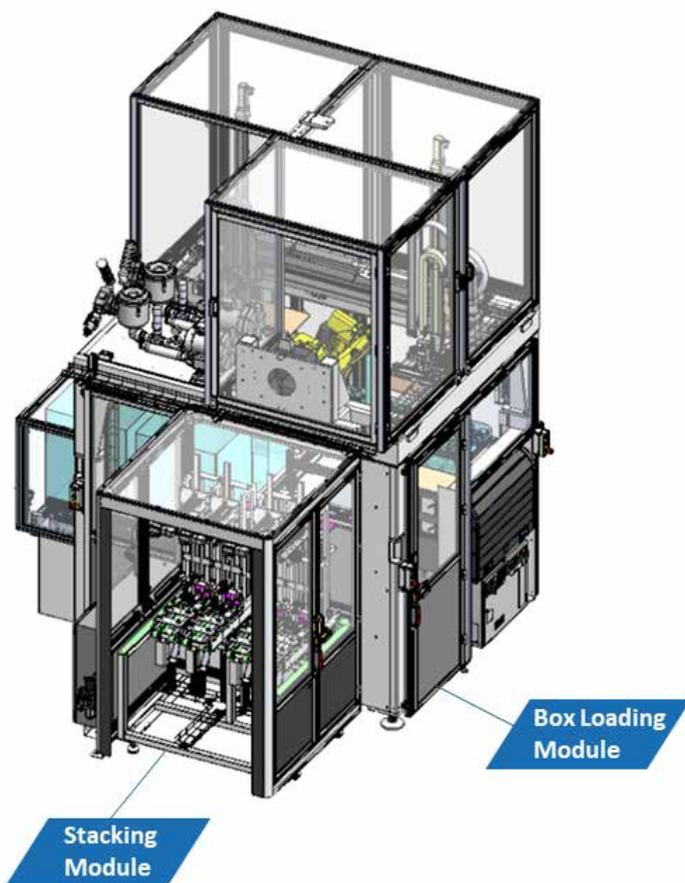


2x16 IML Cup Mold



Box Loading

- ▣ Complete box loading for containers and lids
- ▣ Combination of air suction and mechanical grippers to handle stacks
- ▣ Box loading capable with box flaps oriented “up”
- ▣ Fully integrated with box erection and bag loading systems
- ▣ Lids can be loaded with layer packed trays
- ▣ Designed, built and serviced by the StackTeck automation team





Some of our Services

- ▶ Product design and optimization for IML
- ▶ Prototyping and pilot production runs
- ▶ Turnkey systems integration and training
- ▶ Custom solutions for multiple labels on the same part



StackTeck's IML Pilot Cell





Multiple Systems for an IML Program at the Automation Facility

Automation Facility



Molds Facility



TeckCenter & Integration Facility



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