



Smart Operation
Simple, fast and safe
machine operation

Engineering Excellence



Smart Operation

Flexible development of applications and intuitive operation in production

Powerful injection molding machines are complex systems. Their versatile uses require a high level of individualization when developing applications. However, in a production environment, it's all about an intuitive and safe operating concept.

With its unique operating philosophy, Smart Operation allows you to clearly distinguish between the development of applications and the subsequent operation of the machine in the production environment.

Consistent separation of being able to flexibly develop applications and the intuitive operation in the production environment

The aXos controller continues to deliver maximum flexibility for the programming of ultra-complex applications. In production mode, the optionally available Smart Operation feature provides a simple, quick and safe form of process control.

In production, the machine is operated simultaneously across all applications. Production employees get trained faster, and it is possible to significantly reduce the scope of written process descriptions, checklists and work instructions on the machine.



Maximum flexibility in the development of applications



Intuitive operation in production



Smart Operation
simple. fast. safe.

Guided and safe operation in the production environment

Smart Operation boosts the effectiveness of your injection molding facility

Smart Operation provides the user with a simplified operating concept. It consists of the four new Smart Buttons and the pre-configurable dashboard on the main screen for the display of relevant process information and situation-related interaction messages.

All procedures can be predefined flexibly by in-house application experts. Smart Operation is based on the concept of clearly defined machine statuses. The procedures for the transition between statuses can be configured freely. Application-specific work instructions can be integrated for support purposes.

To make operation in production as simple and safe as possible, all conventional operating elements can be locked. Status transitions are then only initiated by the Smart Buttons.

Configurable dashboard



The dashboard shows the current status of the machine.
Interaction notices with clear color-coding guide users through the entire process.

Injection molding is now easier than ever before

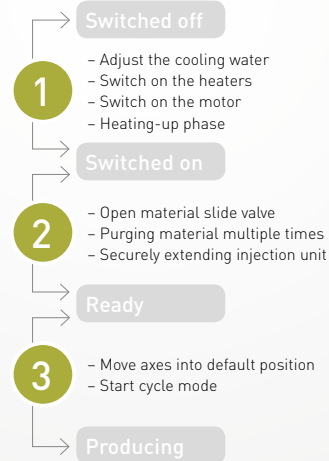
Smart Operation makes the know-how of your application experts accessible to all of your employees

The Smart Buttons enable permanently stored process steps to be initiated. Within a very short period of time, the operating personnel is guided safely through the operating steps. Only three buttons need to be pressed to take a machine from off-mode to the start of production. It does not get simpler, quicker and safer than this.

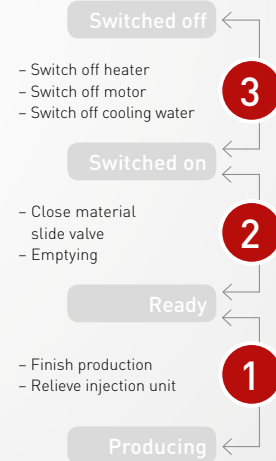
Example of an operating scenario:

Start and end production by pressing just three buttons each time

Start production



Stop production



More safety and effectiveness in production

Advantages that speak for themselves

Smart Operation helps you achieve your effectiveness targets. Guided, fast and safe operation reduces downtime periods and prevents operator error.

- Fast, simple and error-free operation in the production environment
- Embedding of handling specifications in the machine (e.g. GMP)
- Applicable expert knowledge for all employees
- Improvement in Overall Equipment Effectiveness (OEE)



Availability



Performance



Quality
