

Innovative into the Future – BOY-Injectioneering



Moulding Assist
Identification and elimination of injection moulding defects

Intelligent assistance system in the injection moulding process

Detection and elimination of injection moulding defects



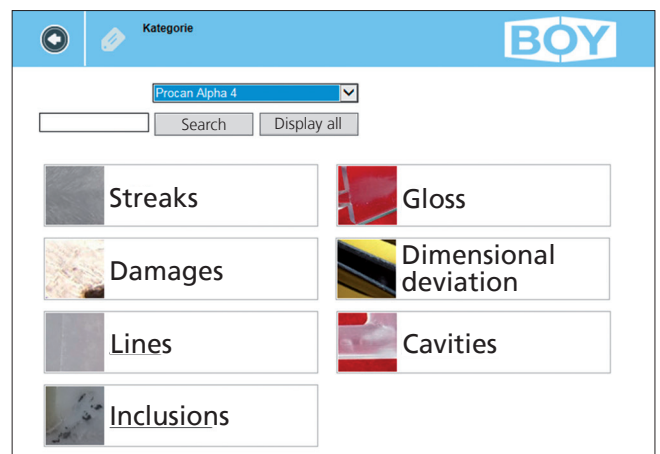
The Moulding Assist visualises possible solution steps

With this intelligent assistant, injection moulding defects that have occurred can be identified and eliminated. The digital assistant provides the user with solutions to eliminate the injection moulding defects directly at the injection moulding machine.

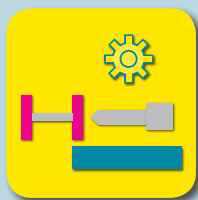
The programme shows the user a multitude of injection moulding defects, which are divided into categories. Comparisons with the images stored in the Moulding Assist are used to display corresponding solution suggestions. Step by step, all measures for the elimination of a defect are processed in a structured manner. The corresponding setting pages of the Procan ALPHA® 4 machine control are conveniently displayed directly to make troubleshooting easier for the user. If perfect parts are then produced again, the intelligent software system adopts

the successful strategy and thus automatically adjusts future solution proposals. The BOY-Software Moulding Assist can either be displayed directly in the machine control Procan ALPHA® 4 via an Edge Device or on any mobile terminal or PC via an internet browser.

After adding an **optional Edge Device** to the Alpha 4, not only the Moulding Assist can be called up directly on the machine control via the web browser, but also the BOY homepage with the helpful BOY app with cooling time and clamping force calculations as well as tables with processing data for many plastics can be used. Documents stored on the Edge Device, e.g. the complete operating manual, can be displayed directly on the machine control.



One press of a button and the start page of the assistant opens. Here, possible injection moulding defects are summarised in individual categories.



Moulding Assist

- ✓ Measures can be initiated directly in the ongoing manufacturing process at the machine
- ✓ For all BOY injection moulding machines
- ✓ Visual comparison on the basis of illustrations
- ✓ Fast, systematic support during the actual troubleshooting
- ✓ Access from any terminal connected to the company network via web browser
- ✓ Preparation of evaluations on type and frequency of individual defects

