



*Making injection
moulding machines
easy to operate*

 **Sumitomo**
SHI **DEMAG**

NC5 plus control

NC5 plus – the intuitive command centre



Advantages of use for you

- **Easy to use** and **quick familiarisation** with the NC5 plus operating interface
- **Clear screen designs**, clear arrangement of the **soft keys** and fading out of functions not being used shorten the set-up and optimisation times
- Danger of overmoulding is reduced by simple inputting of an **injection pressure profile** and **automatic purging** of the plastic melt after a longer standstill period (time adjustable)
- Expanded opportunities for process optimisation: **activeAdjust**
- Avoidance of damage to the mould through active mould protection in the opening and closing movement of the mould: **activeQ+**
- Transparent process time analysis by saving a reference cycle with graphic target-actual display

The NC5 control has been laid out even more clearly with its huge range of functions as well as new functions having been created and added. The reinforced visual guidance for the user opens the way to much simpler usage at the same time as an extended range of functions.

The new NC5 plus is available from 2012 for all machine series (IntElect, Systec and EI-Exis SP).

activeEcon: integrated energy measurement and monitoring of production costs

- Individualised opportunities to maximise energy efficiency
- Detailed measurements of energy consumption for targeted improvements of all cycle phases
- Additional input of material costs and machine hourly rate possible
- Automatic calculation of production and energy costs

activeQ+: Mould protection when closing and opening

- Mould protection system based on activeQ developed further
- Stops mould closure movement in the event of unusually increased processing force
- Additionally monitors the controlled opening of the mould
- Prevents damage through collisions with handling devices or snagging of injection moulded parts



Two-click approach ensures rapid navigation

- Access to every screen with a maximum of two clicks
- Simple search function replaces special functions, screen lists and time-consuming scrolling
- Totally logical division into primary and sub-groups ensures considerably quicker work runs

Rapid selection of favourites optimises navigation

- „activeKeys“ for directly calling up five of the most frequently used functions
- Icons can be freely defined by user

Soft key structure completely revised

- Optimised quick navigation of the machine settings by using soft keys
- Bundled access to logically linked, related screen contents of a function group
- At-a-glance visualised parameters with automatically allocated functions
- Adjustment parameters for the tool set can be selected directly via the soft key bar

Simplified data exchange

- Easy export of every screen with process, alarm and machine data for printing or saving (internally or on data storage devices)
- Works without having to change screens

activeRemote: NC5 plus as an integrated switching centre of the injection moulding cell with periphery

- Easy integration of peripheral devices with touch screen technology
- One control for all functions such as robots for part handling, production planning systems (PPS) or main computer systems, peripheral devices or systems for process regulation and quality assurance
- User-friendly integration of the control interfaces via Virtual Network Computing (VNC)

activeAdjust: individual adjustment options

- New variety of functions using a slider
- Increase or reduction of dynamism of the mould movement for individual applications
- Can be used for each machine movement (ejection movement, changing over from injection pressure to hold pressure)
- Optimum individualised adjustment for process and product



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All data and information provided in this brochure has been compiled and checked with due care and diligence. We believe the contents of this brochure to be accurate, but cannot guarantee its accuracy. The description in this brochure may differ from the machine's actual condition upon delivery.