GX and ifw: Fast and efficient fitting elbow production

Götz Scheibe, Competence Forum 2018
"Smart ejection," space-saving mold concept with low clamping force
GX 400-2000

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<tr>
<th>Feature</th>
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"Smart demolding system," space-saving mold concept with low clamping force
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Unique ifw SE mold system – Clever shaping

- Revolutionary, patented mold system from ifw
- SE "Smart Ejection"
- Molded parts (especially bends) are now shaped in vertically instead of horizontally
Ifw SE mold system – Clever shaping

- Double cavities with the same size thanks to vertical shaping
- Half the clamping force by lowering the projected surface in the mold opening direction. Approx. 50% at 15° bend
- Material-independent Suitable for PVC and PP
Ifw SE mold system – Clever shaping

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- **Shorter cycle time** thanks to mechanical design
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- **Shorter cycle time** thanks to mechanical design
- No separation lines in relevant areas
- HK sprue system is possible (not mandatory with PVC)
- Variable number of cavities from 2 to 12
Complex demolding made easy
Core competence of gripper design

Gripper interface module
- Energy supply of the gripper and secure signal transmission
- Near-gripper integration of functional components

EPS plug connector
- Simple gripper change with anti-rotating plug connector
- Integration of electr. and pneum. signals

Sprue removal
- Separate isolation of sprue
- Controlled demolding

Part removal
- Removal grippers for separate cavities
- Individually adjustable depending on cavity length
GX400 demonstrates BluePower full equipment
BluePower modules increase production and energy efficiency

- BluePower "Drive Technology"
  - Speed variable pump motors
  - Energy saving between 10 and 50%

- BluePower "Energy analysis"
  - Analysis of the actual situation
  - Easy retrofit

- BluePower "Heating Band Insulation Pads"
  - 20 to 30% shorter heating time
  - 20 to 40% lower heating energy consumption

- BluePower "Weekly Timer"
  - Intelligent and accurate production planning

- BluePower "Eco Button"
  - Simply press the ECO button for automatic energy optimization

- BluePower "Active Accumulator Management"
  - Switch of the accumulator
Unbeatable combination of machine properties
Machine technology with a GX

„Smart Ejection“
Space saving by lower clamp force

BluePower
Full equipment of energy efficiency

Plastics 4.0
Integration in the world of Plastics 4.0