

# Application story



## High Pressure Coolant for Milling Machine Tools

|                                                          |                                                                                                                                                                                                                                                          |                         |                         |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------|
| <b>Location</b>                                          | Russia                                                                                                                                                                                                                                                   | <b>Hydra-Cell model</b> | G15                     |
| <b>Type of application</b>                               | High Pressure Coolant for Milling Machine Tools                                                                                                                                                                                                          | <b>Flow rate</b>        | Up to 70 lpm (15 gpm)   |
| <b>Liquid</b>                                            | Machine Tool Coolant                                                                                                                                                                                                                                     | <b>Pressure</b>         | Up to 70 bar (1015 psi) |
| <b>Application details</b>                               | A major Russian CNC machine manufacturer chose Hydra-Cell pumps for their HPC units after experiencing multiple breakdowns with a Knoll unit and Brinkman pumps.                                                                                         |                         |                         |
| <b>Advantages of Hydra-Cell pump on this application</b> | <ul style="list-style-type: none"><li>• Handles fines that can destroy pumps with dynamic seals</li><li>• Requires no fine filtration</li><li>• Minimal maintenance</li><li>• Can run dry indefinitely</li><li>• Outstanding energy efficiency</li></ul> |                         |                         |

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