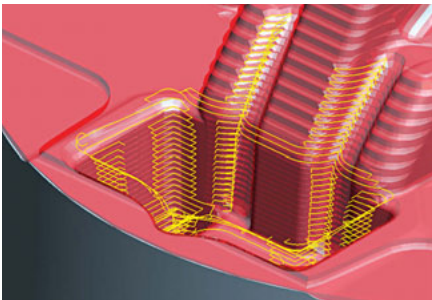
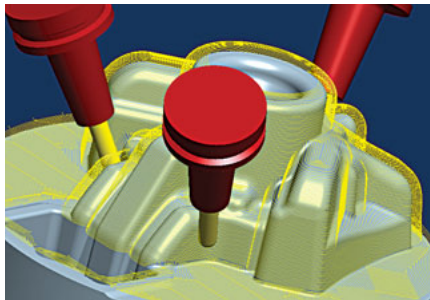


## Forging die: Milled on a Hermle C 40 U

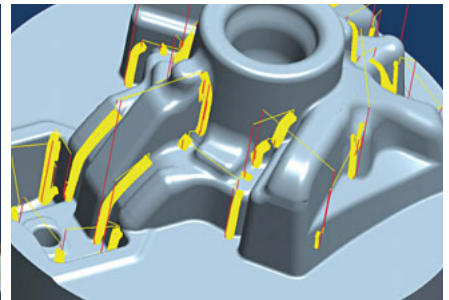
hyperMILL® offers a broad range of 2.5D, 3D and 5-axis strategies accessed via a simple and easy-to-use interface, facilitating the programming and subsequent machining of even highly complex workpieces. Moreover, generating 5-axis machining jobs is as easy as creating 3D programs.



**Arbitrary stock roughing** When combined with stock tracking, arbitrary stock roughing represents a highly efficient machining strategy that allows individual operations to be performed with various tool orientations.



**5-axis finishing** Fully automated collision avoidance allows for shorter tools, conical tools and tools with thickened shafts. The continuous motion results in better surface quality as compared to indexing.



**5-axis rest machining** A new function makes it possible to program rest machining requiring different fixed tool positions in a single operation; the machining area and tool position are calculated automatically.



### Machine: Hermle C 40 U

<b>Main drive (motor spindle)</b>	<b>Maximum spindle speed</b>	<b>18.000 min<sup>-1</sup> /15 kW</b>
<b>Machining area</b>	<b>Rapid traverse and feedrate</b> <b>Traverse path X/Y/Z</b>	<b>45.000 mm/min</b> <b>850/700/500 mm</b>
<b>NC rotary table</b>	<b>Worktable area</b> <b>Traverse path B axis</b> <b>Traverse path C axis</b> <b>Max. table load</b> <b>Tilt range</b>	<b>ø 420 mm</b> <b>25°/-110°</b> <b>unlimited</b> <b>600 kg</b> <b>91° to -139°</b>
<b>Automation</b>	<b>Controller</b>	<b>HEIDENHAIN iTNC 530</b>



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