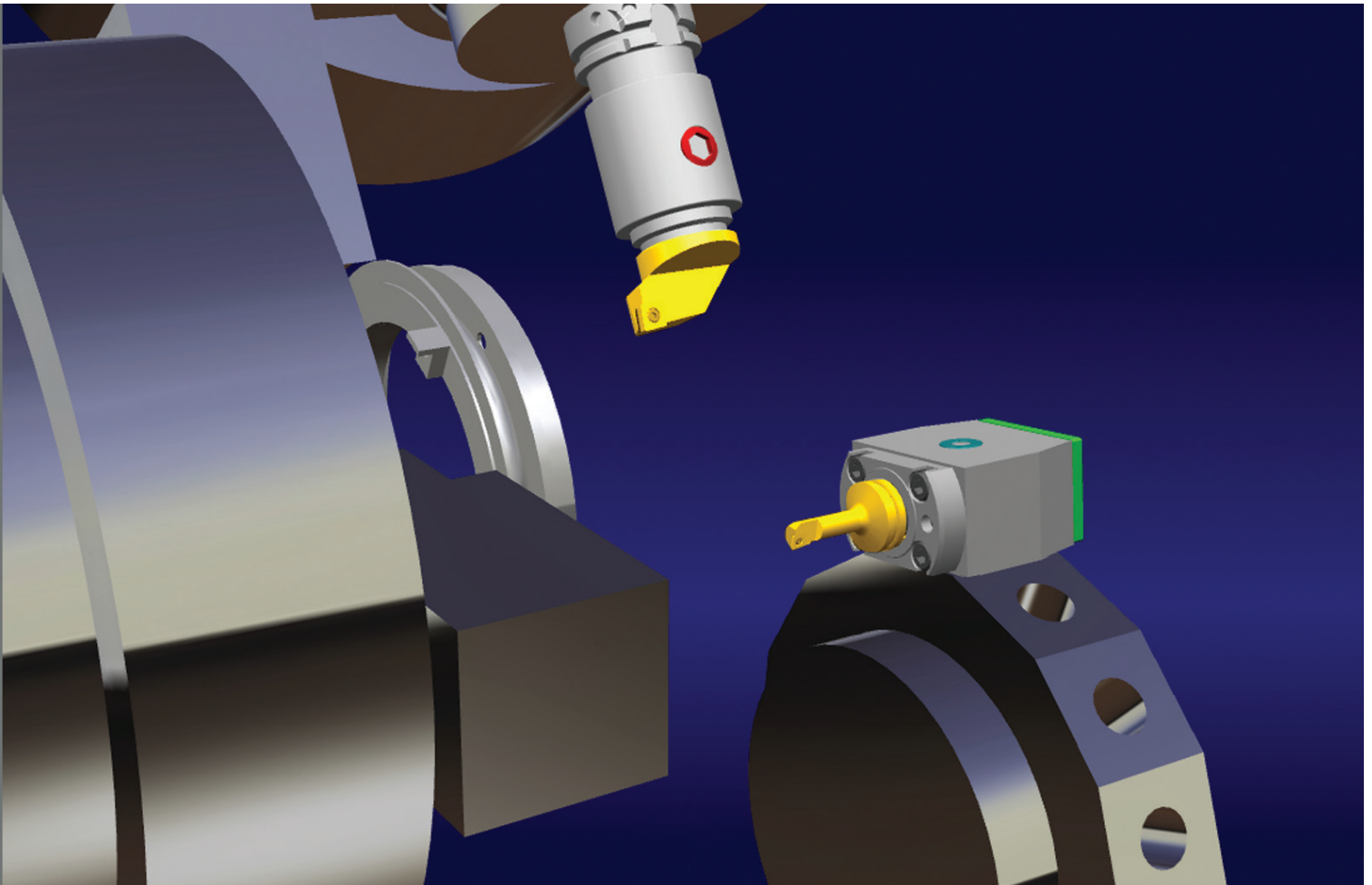


TURNING MACHINING

Datasheet



PROGRAM SINGLE AND MULTI-SPINDLE LATHE AND MILL-TURN MACHINES

NC PROGRAMMERS BENEFIT FROM FULL ASSOCIATIVITY WITH V6 PRODUCT DESIGNS AND POWERFUL MACHINING AUTOMATION CAPABILITIES WHICH CAN DRAMATICALLY REDUCE NC PROGRAMMING AND PROGRAM OPTIMIZATION TIME.

DELMIA Turning Machining (TUM) is an extension to DELMIA Prismatic Machining (MTM) which enables users to program lathes and mill-turn machines to produce parts requiring advanced turning and mill-turn operations. NC programmers are immersed in a V6 3D environment that delivers a lifelike experience as they create, optimize and validate their NC programs in the context of the physical machine.

Through its V6 Product Lifecycle Management (PLM) environment, DELMIA Turning Machining provides easy access to machining resources, NC program and part setup information that is always up-to-date. As a result, NC programmers are able to capture and leverage the enterprise's intellectual property and collaborate with other stakeholders throughout the enterprise as they develop, validate and optimize their NC programs.

DELMIA V6 MACHINING

Best in class machining strategies for efficient programming of turning and mill-turn machines

DELMIA Turning Machining includes a full set of high-end turning operations such as roughing, finishing, groove turning, groove finishing and thread turning for accurate tool path definition. NC programmers can also author turning operations to address B- and C-axis interpolations of mill-turn machines.

COMPUTATION OF INTERMEDIATE STOCK

DELMIA Turning Machining supports efficient programming of turning and mill-turn operations through the automatic computation of intermediate stock updates. In-process stock is calculated based on the material removed from the previous set of operations and is automatically configured as the stock for the next operation.

SUPPORT FOR POWERFUL MULTI-TASKING CAPABILITIES

NC programmers are able to author NC programs for complex mill-turn machines with multiple spindles and turrets that include synchronization features and part transfer capabilities. Through an intuitive and immersive user interface, the user can synchronize operations and define part transfer activities. Time-based tool path simulation with material removal provides the user with an accurate status of the machined part at any point in the operation.

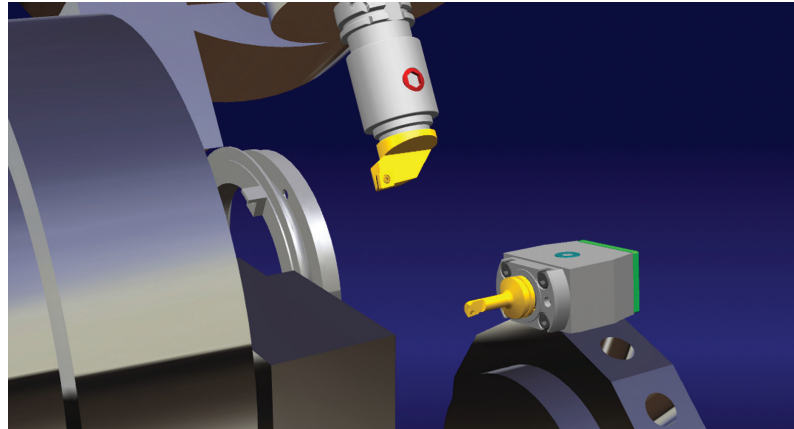
PRODUCT HIGHLIGHTS

- Single Intellectual Property platform to manage machining resources
- Context-based, immersive user interface
- Quick tool path verification and editing
- In-process part visualization and material removal
- High level of automation and standardization
- Product design change management
- Efficient NC data generation

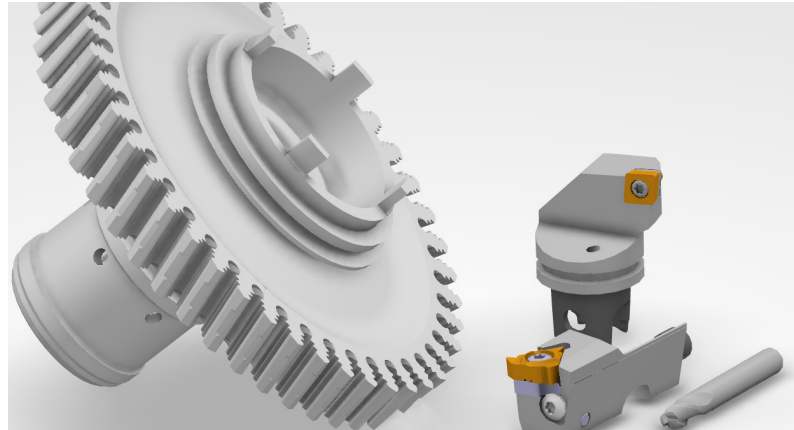
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