CATIA PLM Express
CATIA - Lathe & Prismatic Machining

**Easily defines NC programs to machine 3D parts using
advanced 2.5-axis milling,drilling and turning operations**
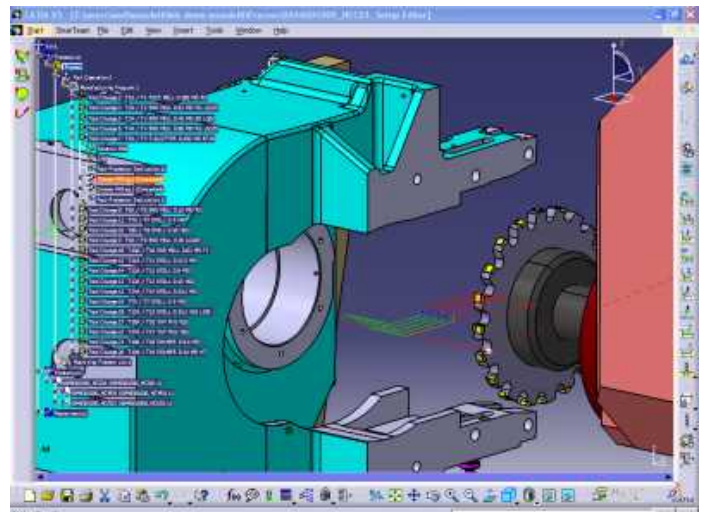
Overview

The CATIA - Lathe and Prismatic Machining option makes it possible to rapidly define valid milling and turning programs in a single environment. NC programmers benefit from full associativity with CATIA design parts, as well as powerful machining automation and preparation capabilities to drastically reduce NC programming and machining time.

Benefits

- Unique environment to combine milling and turning operations in a single program
- Automatic machining preparation to identify machining areas for 2.5 axis and drilling
- Drastic reduction of NC programming time through automation of the machining process
- Seamless design-to-manufacturing process with manufacturing features recognition and full associativity in the event design changes are made

Capabilities

- Full set of 2.5 axis milling and drilling operations for accurate tool path definition, including support of High Speed Milling technology
- 2-axis turning and drilling operations
- Automatically creates all prismatic geometrical machining features of a design part for milling and drilling machining
- Benefit from NC machine definition to check accessibility and to manage transition motion between machining operations
- Powerful automation capabilities for efficient NC programming:
- Capitalization of already defined processes thanks to machining process templates
  Automatic sequencing, User Defined Features …
- Accurate verification of the tool path including simulation of material removal and analysis of remaining material in photo mode

Visit us at **www.3ds.com/my-catia-plm-express**

Dassault Systèmes (Head Office)
9, quai Marcel Dassault - BP 310
92156 Suresnes Cedex - FRANCE
Tel: 33 (0)1 40 99 40 99

Dassault Systèmes of America
6320 Canoga Avenue
Trillium East Tower
Woodland Hills,
CA 91367-2526 - USA
Tel : 1 818 999 2500

Dassault Systèmes
Pier City Shibaura Bldg 10F
3-18-1 Kaigan, Minato-Ku
Tokyo 108-0022 - JAPAN
Tel : 81 3 5442 4011

About Dassault Systèmes
As a world leader in 3D and Product Lifecycle Management (PLM) solutions, Dassault Systèmes brings value to more than 90,000 customers in 80 countries. A pioneer in the 3D software market since 1981, Dassault Systèmes develops and markets PLM application software and services that support industrial processes and provide a 3D vision of the entire lifecycle of products from conception to maintenance. The Dassault Systèmes portfolio consists of CATIA for designing the virtual product - SolidWorks for 3D mechanical design - DELMIA for virtual production - SIMULIA for virtual testing and ENOVIA for global collaborative lifecycle management, including ENOVIA VPLM, ENOVIA MatrixOne and ENOVIA SmarTeam. Dassault Systèmes is listed on the Nasdaq (DASTY) and Euronext Paris (#13065, DSY.PA) stock exchanges. For more information, visit http://www.3ds.com

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PT_F_4KBKR_EN_200610

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MAIS INFORMAÇÕES:
Para obter mais informações sobre produtos e soluções PLM, acesse: www.tecmes.com.br
Avenida Jabaquara, 2940 – 2 º andar
Planalto Paulista - São Paulo – SP - CEP 04046-500
Telefones +55 11 2197-1000 / Fax: +55 11 2197-1007

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