

# Overview of Service / Solution

## FUJITSU Manufacturing Industry Solution FJICAD/SX

Ultra-Fast 3D CAD



## What is FJICAD/SX?

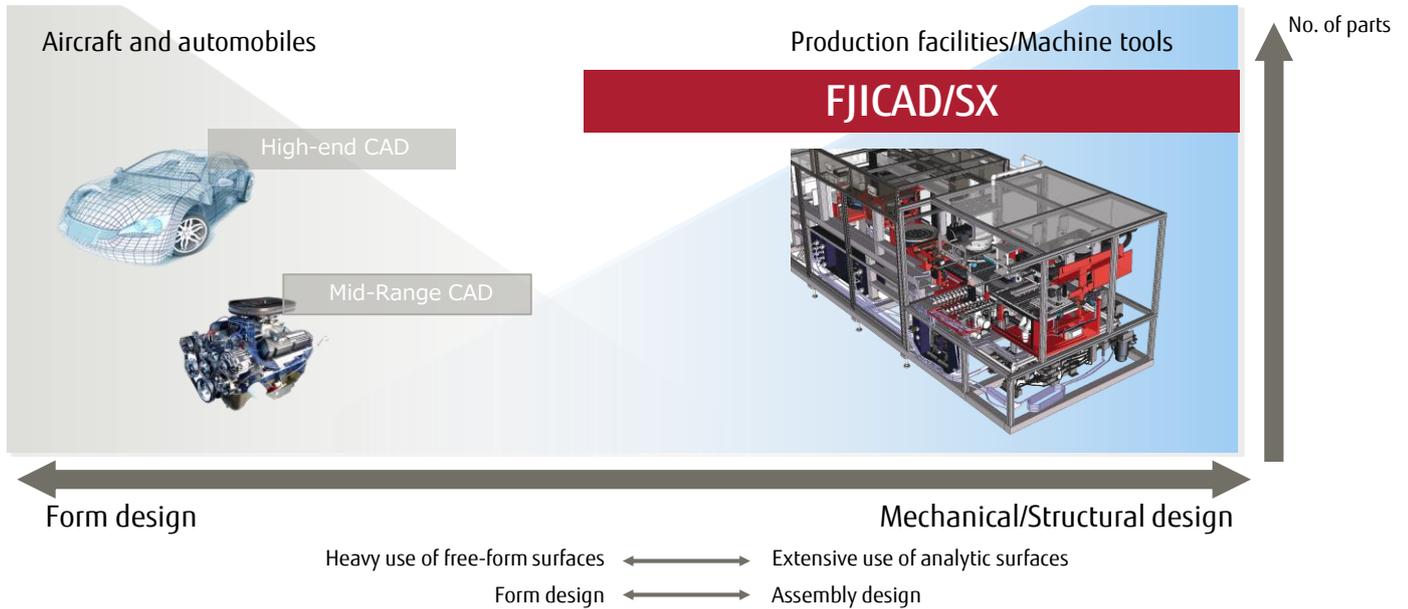
Fujitsu's FJICAD/SX is a tool specialized for machine design.

We believe that the optimal 3D CAD system depends on the nature of one's design targets.

FJICAD/SX is a 3D CAD system developed with a focus on machine/device forms as well as design process characteristics.

Modeling-/Architecture-oriented 3D CAD systems

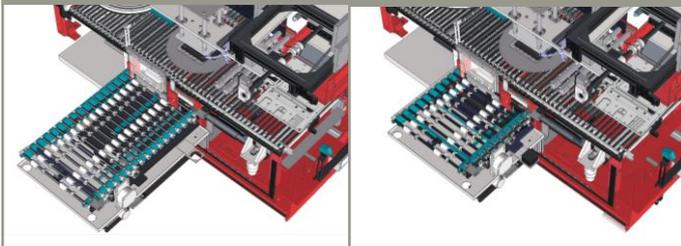
Machine-/Device-oriented 3D CAD systems



## Customer Benefits

- FJICAD/SX is equipped with a high-speed CAD engine capable of processing 1 million parts in 0.2 seconds.
- A single system carries out all operations required for equipment design.

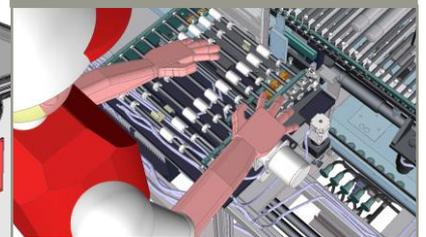
Simultaneous editing of units for 10,000 parts



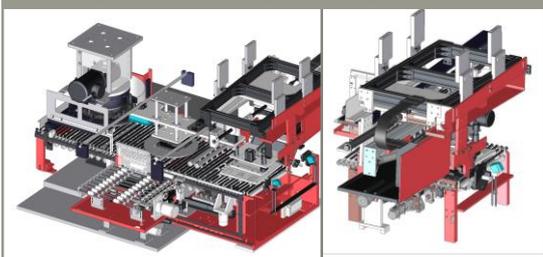
High-speed interference check of moving parts



Review of workability



Comparison of the designs of multiple machines

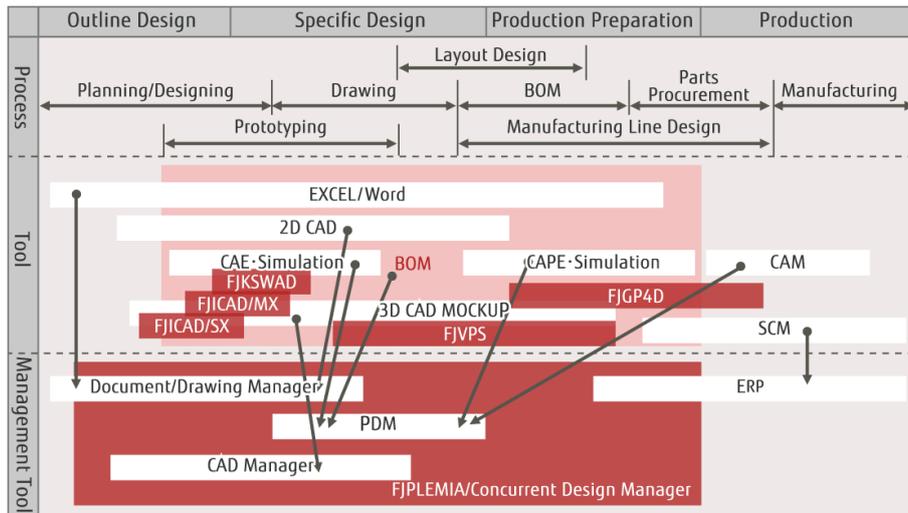


Layout of 10,000 pipes/wires



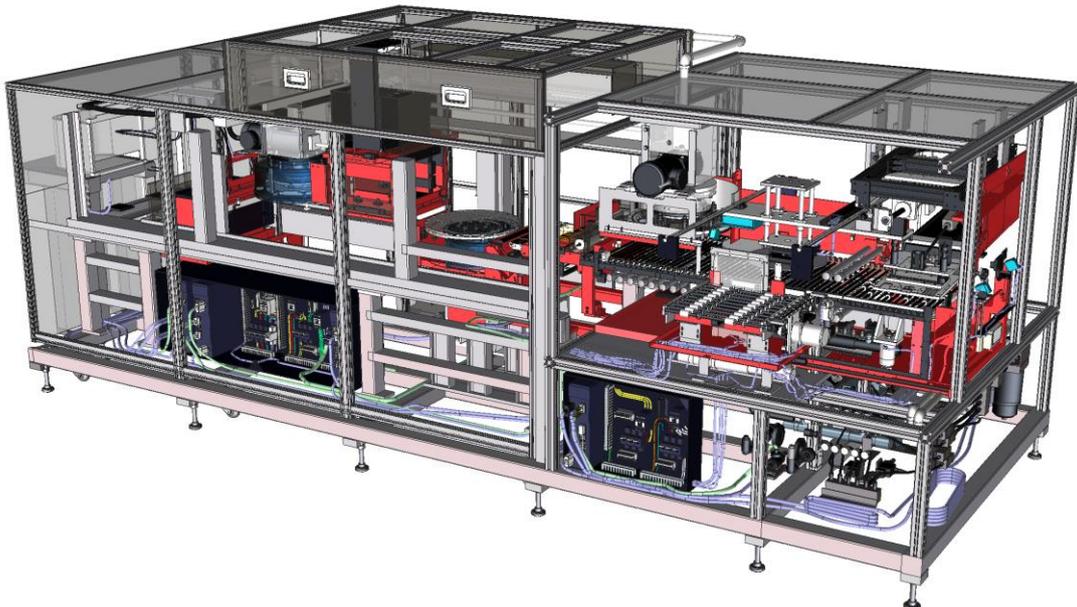
## Why Fujitsu?

- Fujitsu is a manufacturer that designs and manufactures products on its own, including supercomputers, servers, telecommunications equipment, and mobile devices. Based on its experience in manufacturing, Fujitsu provides PLM package software solutions.
  - CAD: FJICAD/SX and FJICAD/MX
  - Digital Production Preparation: FJVPS
  - PDM: FJPLEMIA/Concurrent Design Manager
  - Virtual Product Line Simulator: FJGP4D
  - CAE / Simulator: FJKSWAD
- Based on 30 years of experience in the industry, Fujitsu provides package software that caters to customers' needs.
- By developing its own package software, Fujitsu maintains high product quality to meet customers' needs.
- Fujitsu is capable of providing customers with a full range of services, including hardware (e.g., PCs and servers) as well as networks, telecommunications equipment, and software.
- As an SI vendor, Fujitsu has helped many customers construct business operation systems for many years.



## Case Study

	Line of business	Customer benefits
Company A (No. of employees: 32,700)	Manufacture and sale of cars, forklifts, and ships; other related business operations.	<b>FJICAD/SX has accelerated the speed of 3D design of engine manufacturing equipment.</b>
Company B (No. of employees: 140)	Design and manufacture of press molds and tools.	<b>The full-scale 3D automatic design function has reduced design time and costs.</b>
Company C (No. of employees: 640)	Manufacture and sale of machine tools, semiconductor equipment, and numerical control devices for machine tools.	<b>The seamless combination of 3D/2D CAD systems has reduced delivery times and costs.</b>



## Input/Output Data Formats

3D File Formats		2D File Formats	
Bi-directional Conversion	IGES, STEP, Parasolid, STL, JT*	Bi-directional Conversion	DXF, DWG
Import	NX*, I-deas*, CATIA V5*, PTC Creo Parametric ( former Pro/E )*		
Export	VRML		

\* Indicates optional items

## Product Organization

Mechanical Design CAD	FJICAD/SX V7
Basic Modules	3D2D Design Module Standard 3D2D Design Module Professional*
Design support options	Synchronized Motion Piping Design* Harness Design* Electric Circuit Design* Mold Design*
3D Data Conversion Options	CATIA V5 Import* I-deas Import* PTC Creo Parametric ( former Pro/E ) Import* NX Import* JT Import* JT Export*
Viewer Software	FJICAD/SX Viewer

\* Please check with your dealer about the timing of provision of this product.  
Note #1 Either of the basic modules is a prerequisite for designing with FJICAD/SX.  
Note #2 Licenses can be provided as local or network licenses.

## System Requirements

	FJICAD/SX	Network License Server
OS	Microsoft Windows OS · Windows 8.1 Pro-Enterprise · Windows 8.1 Pro-Enterprise 64bit · Windows 7 Professional-Ultimate-Enterprise · Windows 7 Professional-Ultimate-Enterprise 64bit · Windows Vista Business-Ultimate-Enterprise · Windows Vista Business-Ultimate-Enterprise +SP1 or SP2	Microsoft Windows OS*2 · Windows Server 2012 R2 · Windows Server 2008 R2 · Windows Server 2008 + SP2 · Windows Server 2008 + SP1
CPU	Intel Pentium4 or higher (Intel Pentium4, 3.2 GHz or higher recommended)	Intel Pentium III 500MHz
Memory	1.0 GB or more (Over 2.0 GB recommended)	128MB or more
Resolution	1024*768 dots or higher (1280*1024 dots or higher recommended)	-
VRAM	16MB or more (For OpenGL support 128MB or more is recommended)	-
Graphics board	Please check with your dialer*1	

\*1 Some graphics cards may cause display failures.

\*2 Network license servers can also be operated with OSes that support FJICAD/SX.

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Note #4 Specifications are subject to change without prior notice.

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