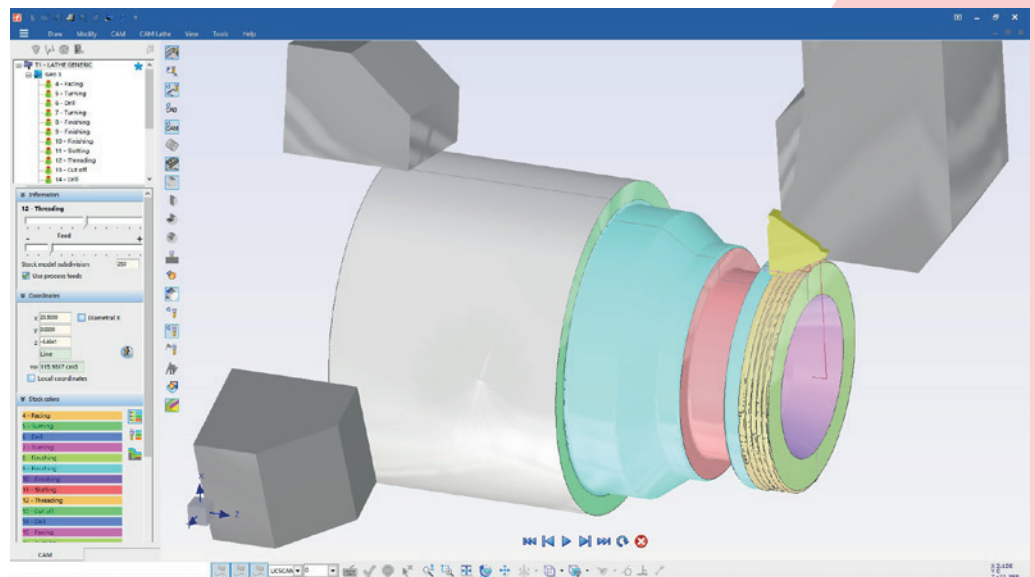


2D Lathe to optimize production time

Lathe

FikusSt for 2D lathe offers a fast and productive solution for programming lathes with CNC. Fikus Lathe has been specially designed for the entire machining process of lathe parts automatically or semi-automatically, including all the necessary technological operations.

Fikus Lathe is an efficient and highly automated solution that reduces preparation time for the most complex machining operations. It also allows you to easily generate new processes manually.



Machining simulation

Outstanding features of FikusSt for lathe machining



Complete solution for easy turning operations

Complete machine control: start and end points, tolerances or pre-programmed cycles



Efficient CAD designed for CAM programmers, which reads and writes multiple formats

Optimize quality and avoid errors with multi-process templates



Optimal machining strategies for each machine and type of work

Automatic machining reduces programming time and increases productivity



Control of all machines from a single workstation

Optimised machine codes for longer machine service life



Complete solution for lathe. All lathe operations can be performed easily. **fikusSt** can perform automatically or semi-automatically the entire machining process drastically reducing production time.

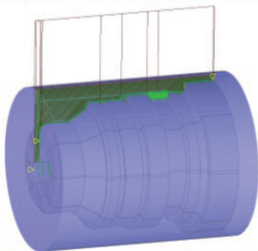
Control all your machines from a single workstation. Easy to use and learn, any engineer will be able to control any machine you have in the shop.

CAD designed for the workshop that simplifies the geometric definition of the part. An agile and powerful CAD with efficient functions to create and edit geometry, extract contours, dimension, edit texts, etc.

fikusSt's Machining Manager accompanies you throughout the programming process, from part definition to creation, calculation and simulation, guaranteeing efficient programming.

Detailed and customizable shop floor report

CNC LATHE MACHINING TIME REPORT			
CUSTOMER	METALCAM	TOTAL CUTTING TIME	
MACHINE MODEL	PUMA	CUTTING TIME	8922
PART NAME	MCTPL01	CUTTING IDLE TIME	18
OPERATION NO.	0001	TOOL INDEX TIME	12
CHVS NO.	0002	SPINDLE LOADING TIME	9
MATERIAL	STEEL	LOADER LOADING/UNLOADING TIME	8
CHUCKING	MAIN S/2 JAW CHUCK	-	-
	SUB OPA CHUCK	-	-
DATE	1/11/2019	TIME	8950



TOOL	TOOL CODE	PROC ID	OPERATION NAME	CUT SPEED	DIAMETER	CUT SPEED (R.P.M.)	DEPTH	LENGTH	FEED (mm)	FEED (rev)	TIME CUT	TIME IDLE
-	-	-	0001 S/2 JAW CHUCK	-	-	-	-	-	-	-	-	-
3	Drill 27	10	Drill	-	0.0	500	250.000	7062	200.000	-	41	2
1	Rough Hex R08	3	Facing	-	24.272	1500	-	1753	0.250	-	146	2
1	Rough Hex R08	4	Turning	-	133.272	1500	-	13650	0.250	-	1101	2
5	----	5	Slotting	-	201.213	400	-	385	0.200	-	83	2
5	----	6	Slotting	-	201.225	400	-	603	0.200	-	174	2
4	Slot 4x1	7	Groove	-	203.225	400	-	4471	0.075	-	7104	2
1	----	8	Finishing	-	55.131	1500	-	227	0.250	-	4	2
1	----	9	Finishing	-	135.272	1500	-	906	0.250	-	59	2
5	----	11	Cut off	-	1.272	400	-	1385	0.200	-	210	2

Table of lathe tools that allows you to create inserts and tool holders from their ISO code and define the feed and cutting parameters according to the machine and the material to be machined.

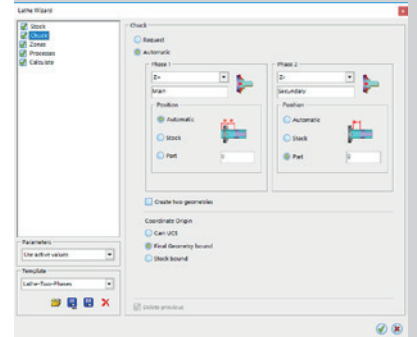
Advanced machining cycles such as turning, facing, boring, finishing, drilling, threading, slotting side and front or cut-off, allow any complex lathe machining work to be carried out efficiently.

The **Automatic Machining Assistant** for lathe analyzes the geometry of the part and detects all its characteristics automatically. The strategy of and all its processes can be defined, applied and calculated without requiring user intervention.

Manual processes. It is also possible to create new areas to be machined or apply new processes (drilling, facing, turning, boring, slotting, etc.) manually. Changing the machining order is as simple as dragging and dropping with the mouse.

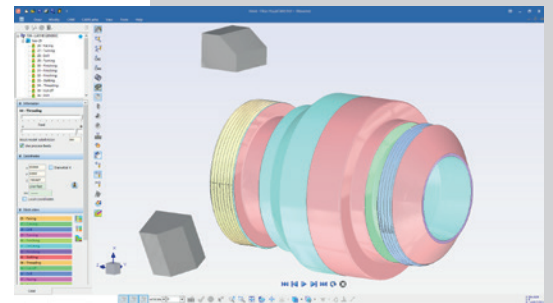
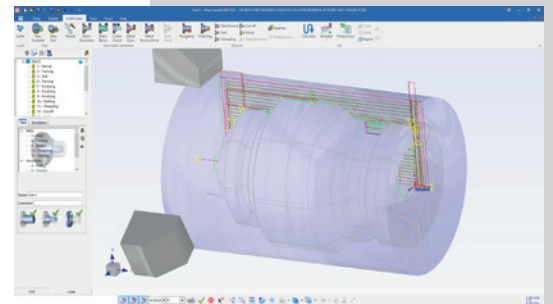
The **machining strategy** can be defined or modified by the user, with his preferred tools and parameters, and store different configurations for different types of parts.

More and more efficient. Once the machining strategies are saved as templates, **fikusSt** will apply them to new jobs in just a few seconds efficiently and without mistakes.



Automatic Lathe Assistant

Path calculation process



Simulation result

Postprocessors

fikusSt for milling has postprocessors for most of the NC controls on the market, such as:

- MITSUBISHI
- FANUC
- FAGOR
- OKUMA
- SIEMENS
- MORI-SEIKI

Data Interface

fikus can read data from other CAD systems in the following formats:

- IGES
- DWG
- DXF
- STEP
- HPGL
- Solidworks
- Parasolid
- Cimatron
- ISO formats
- Bitmap files



website: www.metalcam.com

SPAIN

Metalcam S.L.
C/ Berruguete, 90
Barcelona
Tel: +34 932 74 90 40
e-mail: info@metalcam.com

MEXICO

Tel: +52 442 290 3744
e-mail: mexico@metalcam.com

CHINA

Tel: +86 10 848 652 23
e-mail: china@metalcam.com

INDIA

Tel: +91-984 558 77 22
e-mail: sales@metalcam.com

USA

Tel: +1 847 526 21 78
e-mail: usa@metalcam.com

GERMANY

Tel: +32 477 507 961
e-mail: germany@metalcam.com