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THE ORIGINS OF TP32

The first tool management system was created in 1993 and ever since has been asserting itself in the Italian market. **TP32** is the result of experience gained over 20 years in the industry, taking on the problem of tool management in workshops everywhere.

TP32 continues to evolve thanks to contribution and requests from our partners which differentiates itself from other products on the market for **SIMPLICITY**, **COMPLETENESS** and **FLEXIBILITY**.

Some information on the application

WHO IS IT FOR?	Any mechanical company
SIZE	Small, medium and large
FACILITY	Single or multi-plant facilities
SECTOR	Aerospace, automotive, oil & gas, etc.
	9
ON THE MARKET	Over 25 years

OBJECTIVE: SOLVE PROBLEMS

The focus of **TP32** is to solve and analyze problems in the context in which they arise.

The real strength is the collaboration with our clients who in turn become partners: this positive flexibility in the approach to business issues makes the relationship between user and supplier open and non-restricting.

Our satisfaction is to help companies improve using an intuitive and complete tool.

Are you looking to realise savings and optimisation without interferring with every day running of your organisation? **TP32** will meet your needs.

"There's such	a feeling of satisfaction when something you imagined tur	ns
into something	a feeling of satisfaction when something you imagined turn real" Prabal Gurung	

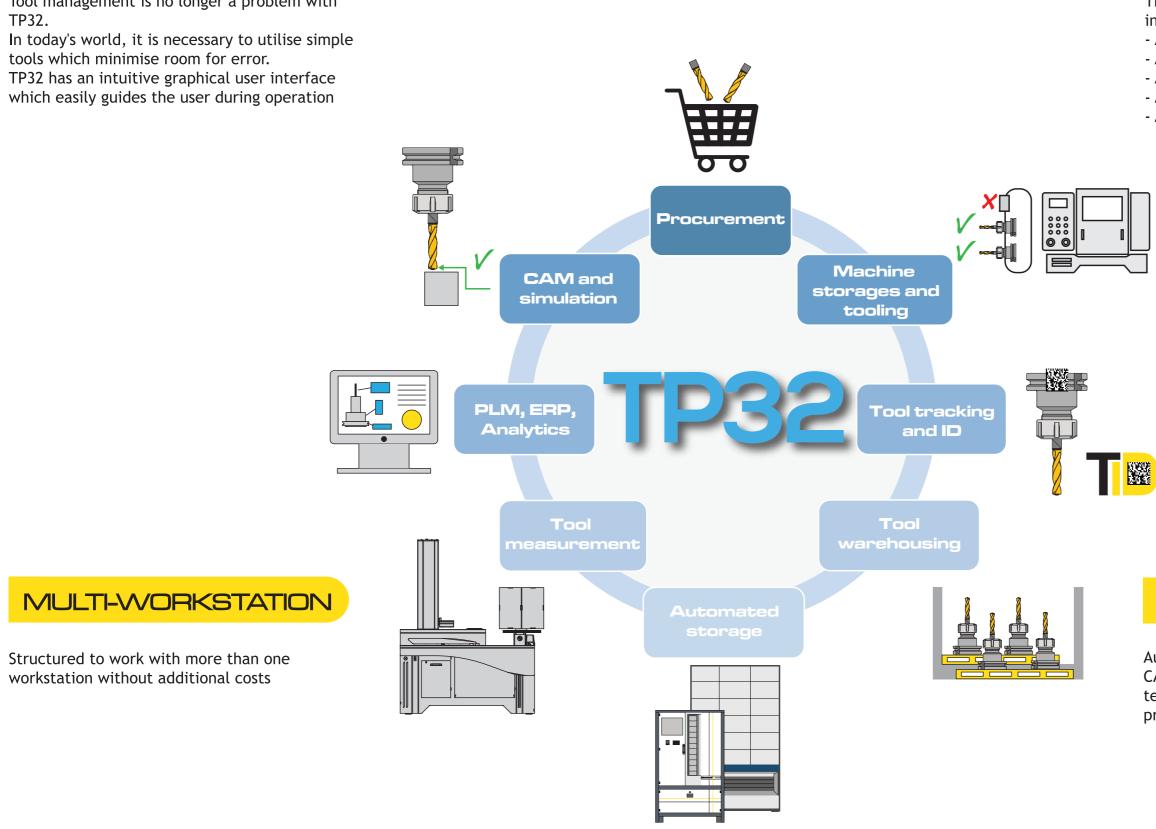






SIMPLE

Tool management is no longer a problem with



"Real progress only happens when the advantages of a new technology become available to everybody" Henry Ford

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The modularity of the system allows you to integrate with:

- Any CNC
- Any Presetter
- Any Automatic Warehouse
- Any Management (ERP)
- Any CAM and Simulator



ISO 13399

Automatic creation of 3D tool libraries for CAM and/or Simulator systems using ISO 13399 templates with real measures derived from presetting

COMPLETENESS, EASY TO USE, FLEXIBILITY: THIS IS TP32

TP32 is an integrated tool management system. It manages the data of cutting tools throughout the entire production process, within any related system in an INDUSTRY 4.0 approach.

The importance of tool warehouse management

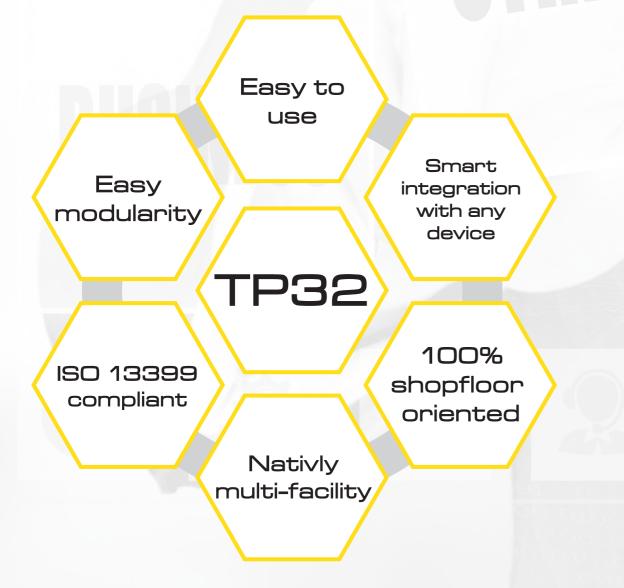
How important is tool warehouse management?

A mechanical company usually manages tools, spare parts, inserts, etc. in greater quantities than they actually need: this all happens due to the lack of a centralized control system.

An accurate check of the warehouse leads to many advantages, including: reduction in production costs, optimisation of the supply system, avoiding unnecessary wast, real-time control of available resources, and organisation of the production cycle.

Efficiency is fundamental and that's why introducing a management system can obtain remarkable results both economically and organisationally.

What are its strength?





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Theoretical roollist

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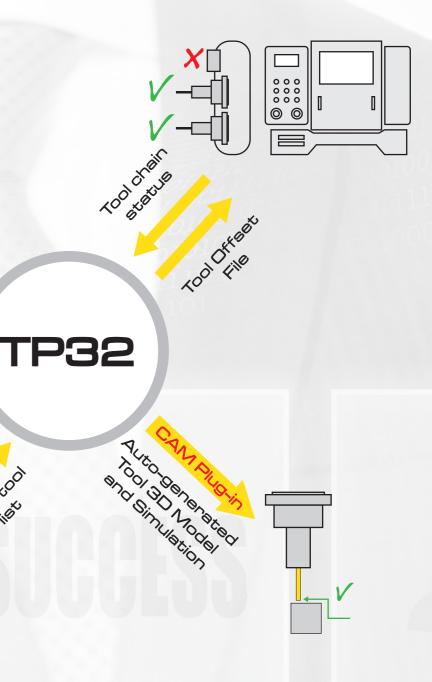


Effective and efficient communication plays a key role, especially when different systems are present in a single environment.

Omitting or not constantly updating databases consequently leads to losing track of data and information - something which has happened to us all.

TP32 helps in all of these sensitive and important aspects by providing an interface between all of the existing systems in a mechanical workshop: machine tools, management systems, CAD/CAM, presetting machines, etc.

Everything in one piece of software. Easy. Flexible. Complete.



"The five C's of good communication: clarity, completeness, concreteness, correctness" Anonymus

WAREHOUSE MANAGEMENT IS THE KEY

TP32 allows you to manage in a simple and efficient way your warehouse, from single components necessary for tool assembly, up to all the accessories related to mechanical processing (equipment, materials, drawings, etc.).

Warehouse management is an area which plays an important role: good organization avoids excess waste and lack of use, it offers optimization of space and cost cutting for its management but it also provides satisfaction to the end user.

Discover the advantages of this module

- Check supplies and warehouse stocks
- Monitor the material handling, activities and use of components
- Know actual component availability and not only its existence in the workshop
- Minimize stock levels
- Generate component lists under minimum stock level for reordering
- Arrange the inventory with its valorization
- Keep track of components inside the workshop
- Have clear and useful print outs on warehouse status
- Generate purchase request by carrying out an analysis of material under stocked / depending on use and warehouse movement performed in a given period

TP32 DH T169-M22 T188-M22 T187-M23 T024-M22 T164-M23 T150-M22 T118-M24 080101-000 060101-000 060101-000 080101-000 080101-000 080101-000 080101-000 0202-040 0206-001 0206-016 0206-021 + --....... 00 1. ,05 1 10 1 9 -1 1 p-0 8 -1-11 0.15 :B Tool data Graphic representation Assembled tool of assembled tool BOM and 3D model



AUTOMATED WAREHOUSES, PREPARATION AND TOOL ID

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IMPORTANT



Main key points

Reduction of operator workload in collection, assembly and creation of tool lists

Reduction of human error

TP32 enables you to integrate tool information across multiple devices and equipment:

- hardware connection with automated warehouse and machine storage
- management of component location

Moreover, TP32 generates tool, picking, assembly and measurement lists, taking into account:

- warehouse and tool machine chain status
- list of components for tool assembly

All of the tools in your workshop are tracked by an identification system: a unique Datamatrix code makes the system quick and error-free, which in turn increases the efficiency of the workshop and reduces workload.

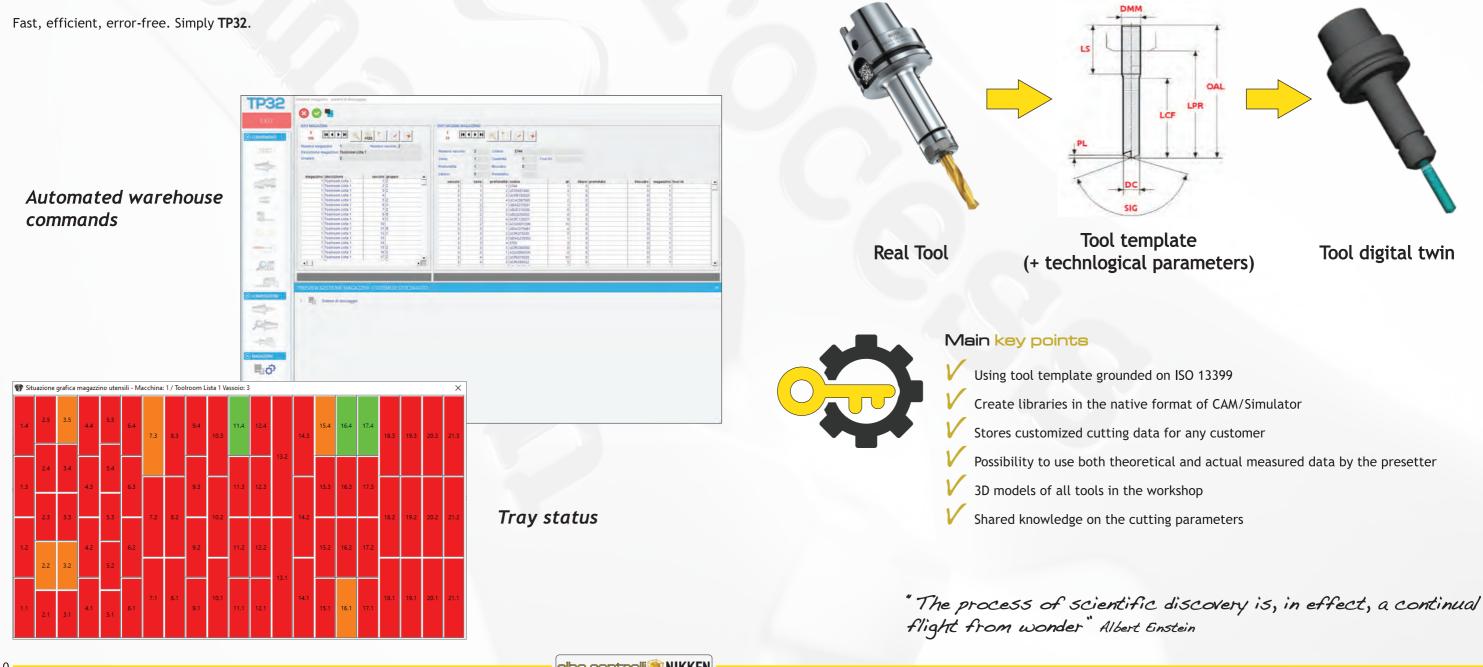


How important is integrating CAM and simulation into a single tool? **TP32** is able to automatically create tool libraries in 3D for CAM and/or the simulator.

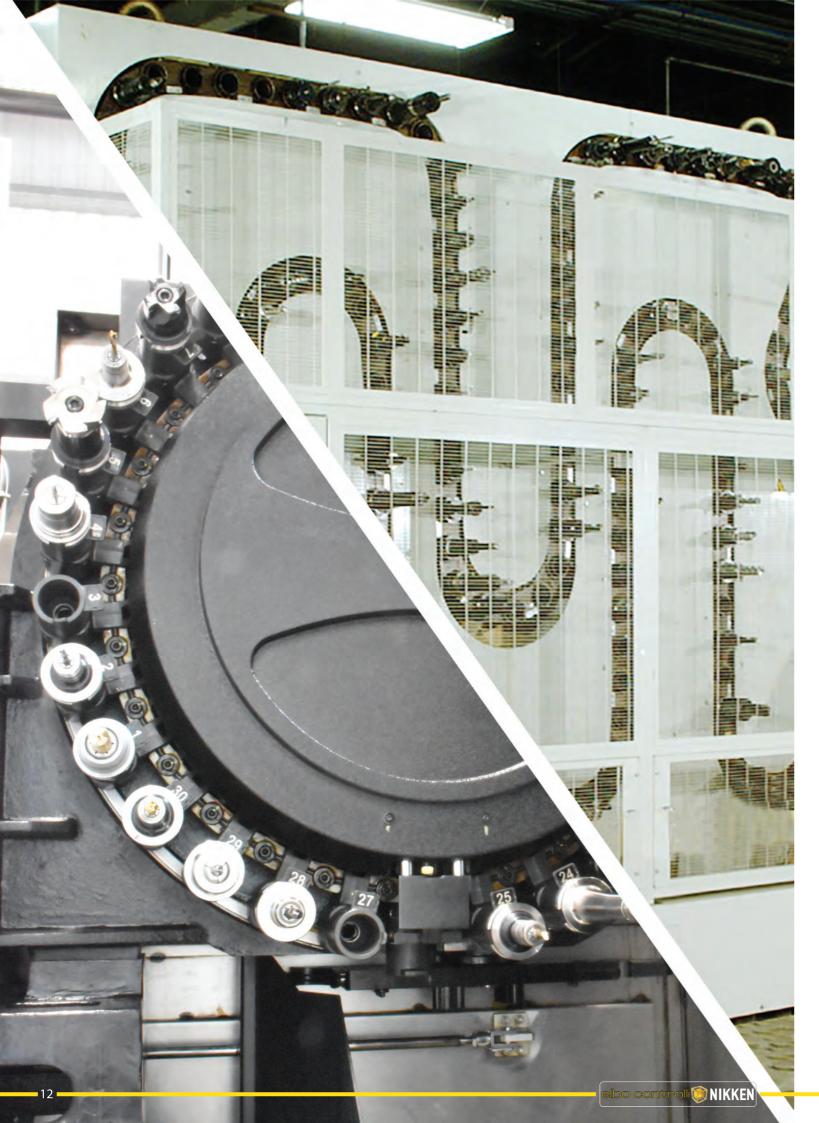
Which CAMs are compatible with TP32?

• CATIA	• CIMATRON-E	• EDGI
• EUREKA	• FEATURECAM	• HYPI
• NXCAM	POWERMILL	• SOLI
TOPSOLID	VERICUT	• VISI

Many varieties of CAM are compatible meeting all your needs: the choice is yours, it's all in your hands



- SECAM ESPRIT PERMILL MASTERCAM
- **IDCAM**
- TEBIS

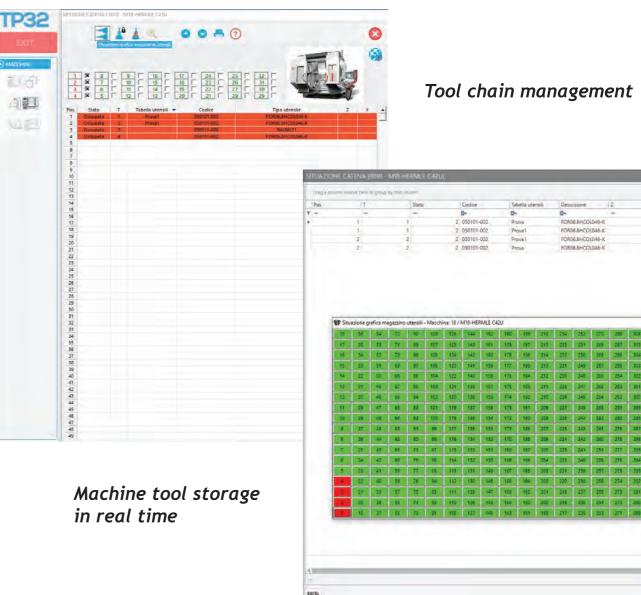


MACHINERY MANAGEMENT AND TOOL LISTS PREPARATION

TP32 allows visualisation of the machine tool chain status and, consequently, organises each single tool change.

How important is optimizing the tool list preparation process? It depends on how productive and dynamic you want to make your workshop: our solution will help you during this process, bringing considerable benefits in the management phase and reducing preparation times.

What are you waiting for? TP32 will change your life, see it for yourself.





Main key points

 \bigvee Create the tool table directly from the NC G-code program

Set actual tool values using presets

Send tool offsets directly to the machine

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Prepare a list of assembled tools, paying particular attention to the chain tools available and to the Toolroom availability in various warehousess

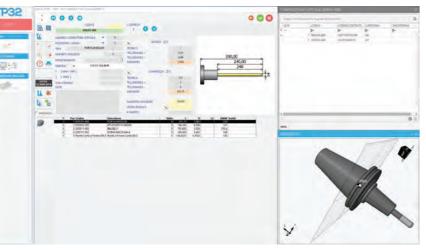
THE PERFECT SOLUTION





Main key points

- E46 and E68L Elbo Controlli NIKKEN presetter machine series with double Full HD 22" vertical touch screen monitor with memory expansion for TP32 management
 - Integration with TID system for tool datas identification and management
 - Automatic acquisition of the X and Z dimensions directly from the presetter
 - Graphic or real display of the tool
- Tool list preparation



The use of Elbo Controlli NIKKEN presetter machine with **TP32** will make the measurement acquisition operation easy, fast and error-free.

This is the perfect solution for your Toolroom, reducing production costs significantly and optimizing the material procurement system.

Every company has different needs: the real strength is to be able to adapt to all situations.

It's all about yours.

TP32 brings a range of benefits that will improve and optimise the whole production process of your company, making it more competitive in the market through a reduction in management costs.

Organising and managing tools in an easy and fast way, while limiting the possibility of error as much as possible are critical.

With over 25 years of experience in the tool management sector, and thanks to the experience gained with our valued customers, we can state that:



selecting tool data

-25%

Tool variety is reduced and standardized. This lowers tool costs and increases the use of available tools

+18%

Tool machine efficiency

Thanks to TP32 the efficiency of machine tool use is increased by about 20% = more productivity



Cutting data

component

What are you waiting for?

Discover the world of the **TP32** and remember that it's an open and customizable system: in addition to having additional modules, it's possible to request modifications tailored to your needs.

The customizations make the system more flexible, simple and ready to work.

Contact us to make an appointment with one of our consultants and to witness first-hand the potential of this fantastic solution created by Elbo Controlli NIKKEN.

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Management time

The equipment managing system minimizes time effort for

Tool costs

23% increase on cutting data, reducing the cost of each

"The greatest achievements are those that benefit others" Denise Waitley

II rock solid measurement

ALC: NO

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