

TOOL TRACKING
SYSTEM (TTS)

E346+ SERIES —

E46 SERIES —

E68 SERIES —



TTS: WHEN TOOL TRACKING IS SIMPLE AND QUICK

How to implement efficiency knowing where your tools are

- How often, while presetting the tools for your next job, do you happen to not find exactly the tool you need?
- How often do you find out at the last minute that the tool you need is busy on another machine?
- Do you feel a lack of organization in your toolroom?

We at Elbo Controlli NIKKEN have a solution that's right for you!

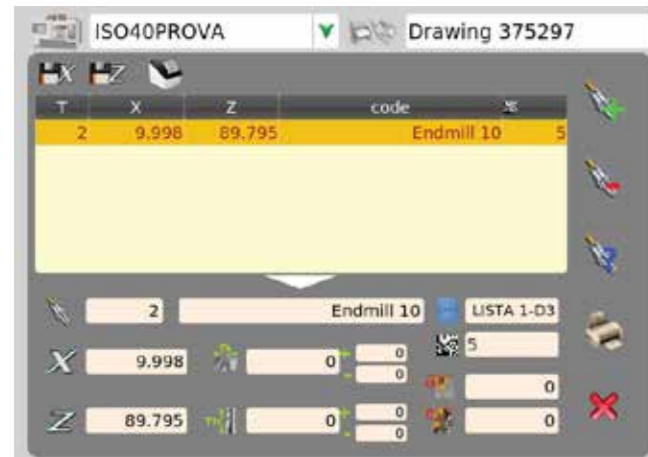
What's TTS (Tool Tracking System)?

TTS (tool tracking system) is a solution that allows ELBO CONTROLLI NIKKEN presetters to verify the exact position of all your tools in your mechanical workshop.

Once all the assembled tools have been identified with a unique Data Matrix code, the TTS software will be able to identify the precise location of your tool in real time, whether it is on a machine tool or inside your warehouse.

TTS solves one of the longest and thorniest daily tasks: **KNOWING WHERE THE TOOL YOU WILL SOON NEED IS LOCATED!**

Let's see how this incredible system works.



Once the tool has been identified, all the information (identification number, stock position, values and geometries) are visible in this screen.

Our software was developed to make daily work simple and intuitive: in fact, through a user friendly graphic interface, the operator is able to easily track all the tools available.

It is possible to trace the tool within the tables present on the presetter.

The presetting machine is able to instantly display the tools that are present in one or more tables, making the tracking operation as simple as possible.

The operator's need is to have all the information in the right place at the right moment and our TTS software solves this type of problem.



PRESETTER



T	X	Z	code
1	13.936	178.615	MILL
2	19.166	148.996	END-MILL
3	30.140	204.541	BORING-BAR
4	0.000	235.550	DRILL-D10
9	0.000	209.723	TAP
11	10.000	150.888	Endmill d10

T	Machine
1	MC1
11	Stock
3	MC2
7	MC3
13	Stock
2	MC1

When the operator selects the tool table present in the presetter, the machine software shows all the tools linked to that specific processing. The unique Data Matrix code assigned to each tool allows it to be searched quickly and easily within the workshop.

The operator just needs to query the presetter to get the exact report location of tools.



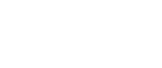
MC1



MC2



MC3



STOCK



TTS is the Elbo Controlli NIKKEN solution that will allow your organization to optimize the spindle time of your machines providing the needed tool information when needed.

At Elbo Controlli NIKKEN we have a simple solution that can help you increase your efficiency and have a smoother and more punctual production flow!



TECHNICAL FEATURES

- INTERFACE THE TOOL IDENTIFICATION SYSTEM WITH TOOL PRESETTER UNIT
- USE OF A DATA MATRIX BIDIMENSIONAL BARCODE
- DATA MATRIX 2D READER
- NO MEMORY SUPPORT TO BE APPLIED ON TOOLS
- INDUSTRY 4.0 READY

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rock solid measurement
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