

Unimat CNC for Education and Training

Opening up new possibilities of using CNC machinery in education

Education Initiative Concept Outline

Meanwhile CNC technology has become an integral part of every solid technical education. But the understanding of material, machine and controller code should not be taught in theory only.

Industrial machines indeed have the advantage in education that students get practical insights, but rarely any school or university can provide sufficient access to such machines.

The gap between practical and profound training on the one hand and permanently more restricted budgets on the other can be bridged with Unimat CNC. Developed for prototyping and model making this system also provides lots of advantages for the educational sector.



Autonomous working due to eased access to machinery

Lower costs allow for the acquisition of several devices, many students can work at the same time. Thanks to the high safety permanently monitoring is not required.

Profound expert knowledge instead of producer specific know-how

Everything learned on these machines can also be applied on big ones. Nothing is so specific that it is only valid here.



Most easy handling, putting into operation and maintenance

The simple and modular set up enables a fast insight into the functionality of the machine, applying them does not require much prior knowledge. Service can be done easily yourself.

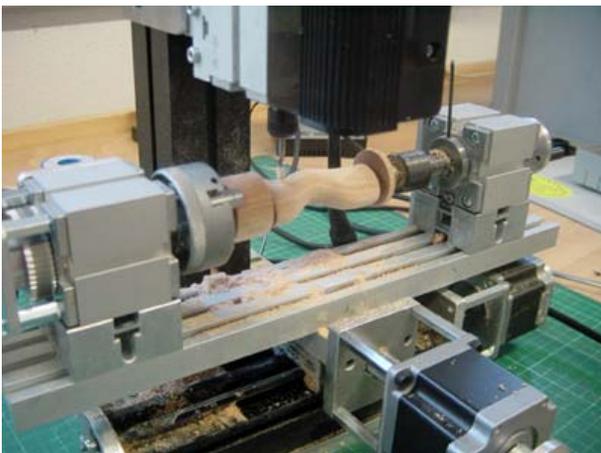
„One only apprehends what one can make himself, and one only conceives, what he can create himself.“

Johann Wolfgang von Goethe, free translation

- **Use is location-independent**
Due to the minor weight and size the machines in a transport box can be administrated and handled as easily as a video beamer for instance.
- **5 years guarantee period**
The machines are Austrian quality products with a 5 years guarantee period (wearing parts excluded)
- **Professional controller software without licence fees**
As controller software you receive the CoolCNC-package. You simply boot the PC with this CD and all applications start automatically. Only Open Source- applications are being deployed whereby all licence fees omit and even subsequent upgrades will be available for free. That is easy and pays.

So CNC-technology can be applied in education easily, cost efficiently and with sufficient possibilities of access. When up to now one industrial machine was at a student's disposal for only a few minutes a school year on average, now with Unimat CNC students in smaller project groups can work almost self-governed and without monitoring.

Beispielprojekt Möbelbau



Mag. Radatz who is in charge of the workshop for interior design at the HTL Moedling sent us an AutoCAD file, that we easily converted into G-code with the CAM software Deskproto.

A piece of beech wood was clamped and the design „ergonomic handle“ could be processed with the 4-axis CNC mill.



We are always at your disposal for a comprehensive consultation. Simply contact us if you are interested in our machinery!

Manfred Heindl

The Cool Tool GmbH
Fabriksgasse 15,
2340 Moedling - Austria
phone: +43 - 2236 - 892 666
fax: +43 - 2236 - 892 666 18
marketing@thecooltool.com
www.thecooltool.com

