



SLOVAK UNIVERSITY OF
TECHNOLOGY IN BRATISLAVA
FACULTY OF MATERIALS SCIENCE
AND TECHNOLOGY IN TRNAVA

CENTRE OF EXCELLENCE OF 5-AXIS MACHINING CE5AM

Contact address

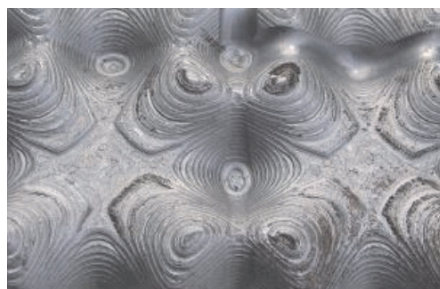
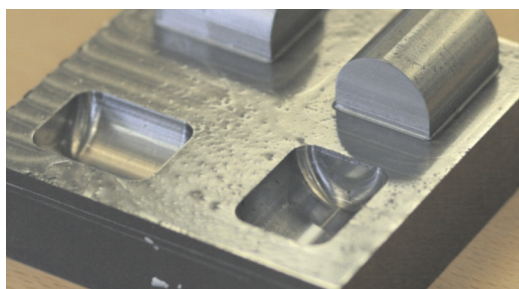
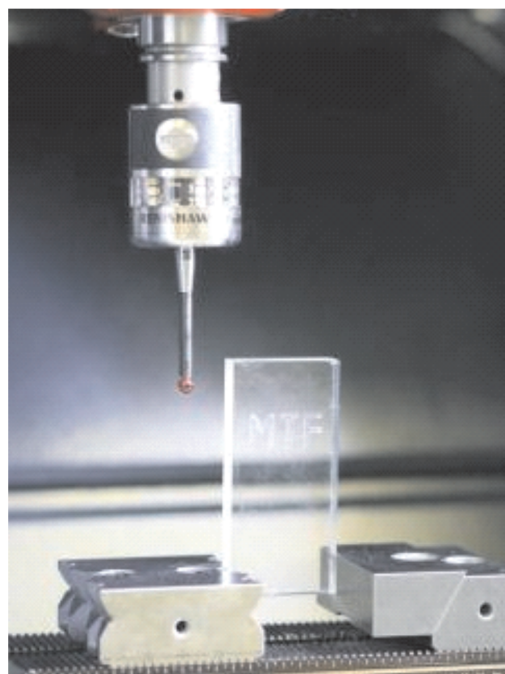
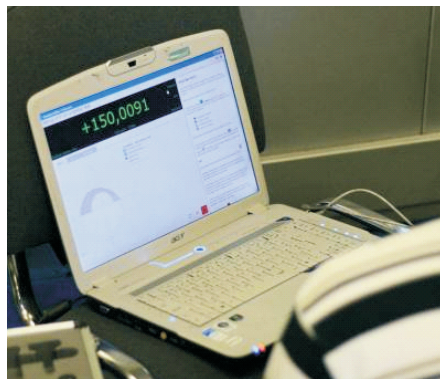
Faculty of Materials Science and Technology in Trnava
CENTER OF EXCELLENCE OF 5-AXIS MACHINING CE5AM
J. Bottu 25, 917 24 Trnava, Slovak Republic

prof. Dr. Ing. Jozef Peterka - zodpovedný vedúci - jozef.peterka@stuba.sk
doc. Ing. Peter Pokorný, PhD. - zástupca vedúceho - peter.pokorny@stuba.sk
Ing. Ladislav Morovič, PhD. - riešiteľ - ladislav.morovic@stuba.sk



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Názov projektu:

Centrum excelentnosti 5-osového obrábania

Kód ITMS projektu:

26220120013

Doba riešenia:

05/2009 – 04/2010

Miesto realizácie:

Materiálovotechnologická fakulta
so sídlom v Trnave

Operačný program:

OPVaV - 2008/2.1/01-SORO

Zámer projektu:

Hlavným zámerom projektu je vybudovanie nového Centra excelentnosti podporujúceho rozhodujúce technológie 5-osového obrábania.



Name of project:

Centre of Excellence of 5-axis machining

ITMS of project:

26220120013

Duration of project:

05/2009 – 04/2010

Workplace:

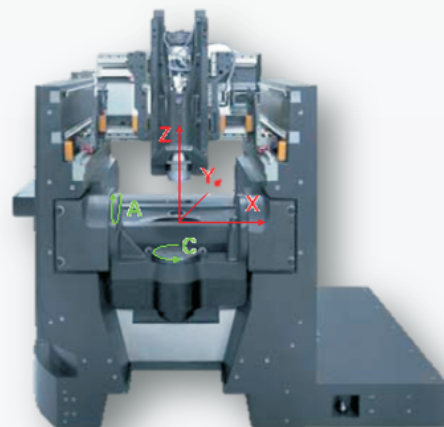
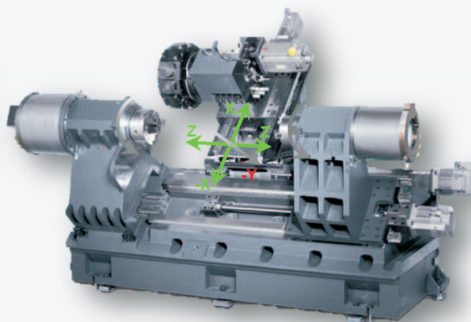
Faculty of Materials Science and
Technology in Trnava

Operational programme:

OPVaV - 2008/2.1/01-SORO

Objective of the project:

The main objective of the project is to build a new Centre of Excellence supporting critical technology 5-axis machining.



CE5AM má tieto pracoviská:

1. PRACOVISKO CNC HSC HIGH-TECHNOLÓGIÍ PRE 5-OSOVÉ OBRÁBANIE

má tieto CNC stroje:

- DMG HSC 105 Linear
- DMG Ultrasonic20
- DMG CTX ALPHA 500

2. PRACOVISKO CAD/CAM HIGH-TECHNOLÓGIÍ PRE 5-OSOVÉ OBRÁBANIE

má tieto softvéry:

- CAD softvér PowerSHAPE
- CAM softvér PowerMILL
- CAD/CAM softvér ArtCAM
- CAD/CAQ softvér CopyCAD

PONUKA SLUŽIEB

CE5AM poskytuje nasledovné elektronické služby pre verejnosť, technickú a odbornú prax prostredníctvom vytvorenej odkladacej schránky:

1. Kontrola úplnosti a kvality prevedenia 3D modelu súčiastky v CAD PowerSHAPE,
2. Generovanie NC programov z 3D modelov pre riadiace systémy Heidenhain iTNC 530, Heidenhain TURNPLU, Siemens 840D
3. Kontrola a simulácia dodaných NC programov
4. Kontrola a tvorba 3D plôch z naskenovaných dát

CE5AM has the following departments:

1. WORKPLACE CNC HSC HIGH-TECHNOLOGY FOR 5-axis CNC has the following machines:

- DMG HSC 105 Linear
- DMG Ultrasonic20
- DMG CTX 500 ALPHA

2. WORKPLACE CAD / CAM HIGH-TECHNOLOGY FOR 5-axis has the following software:

- PowerSHAPE CAD software
- PowerMILL CAM software
- CAD / CAM software ArtCAM
- CAD / CAQ software CopyCAD

OFFER OF SERVICES

CE5AM provides the following electronic services to the public, technical and professional experience created through the glove box:

1. The completeness and quality of the designed components in the 3D CAD model PowerSHAPE,
2. Generating of NC programs from 3D models for control systems Heidenhain iTNC 530, Heidenhain TURNPLU, Siemens 840D
3. Control and simulation of NC programs delivered
4. Control and creation of 3D surfaces from scanned data