CAD/ CAM Module

Content:

Learning to work on 5-axis CNC milling machines DMU 50 with Heidenhain ITNC 530 using SOLID-WORKS 2018 / SOLID-CAM 2017

Applying CAD/CAM solutions for complex tasks

Understanding the function and dealing with a post-processor

Describing tilted operations and explaining I-Machining

Getting to know determinates of 3D processing (2.5 D-milling)

Duration:
2 weeks at college

Level:
Advanced

Assessment:
CAD program with simulation

Participants:
6 European students + 6 German students

Responsible teachers:
Gerhard Hofmann
Matthias Weickl

Contact:

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Modules:

CAD/CAM:
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Electro-Pneumatics
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RAISE VET
Cornelia Lotter
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System Integration
Andreas Lindner
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Landeshauptstadt München
Referat für Bildung und Sport

Berufsschule für Fertigungstechnik

Vocational School for Manufacturing Technologies

Deroystraße1
80335 München
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Metal engineering/ Electrics Modules

Erasmus+ goMOVET.eu EMEU Engineering Mobility In Europe

RAISE VET – Sustainability – Solartechnology Module

Content:

Raising awareness of sustainable behavior towards our environment.

Identifiying renewable energy sources, such as wind, water and mainly solar technology.

Carrying out current and voltage measurements with a solar energy kit to create a characteristic curve with its maximum power point and compare provided examples.

Duration:

1 week virtuall module
2 weeks at college

Level:
Beginners

Assessment:
Presentation of milestones and final product beach grill

Participants:
8 international students & 4 German students

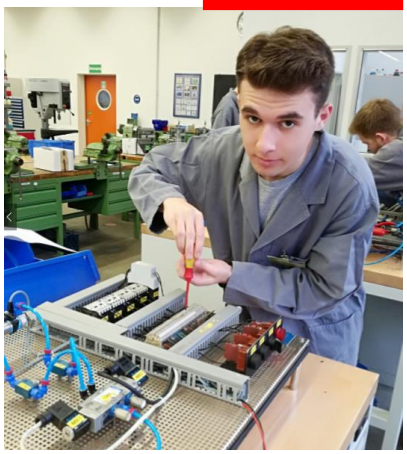
Responsible teachers:
Cornelia Lotter
Peter Schreyer
Elke Höhnberg

Electro-Pneumatics Module

Content:

Development of electropneumatic circuits

Connecting pneumatic and electrical circuits by using industrial components

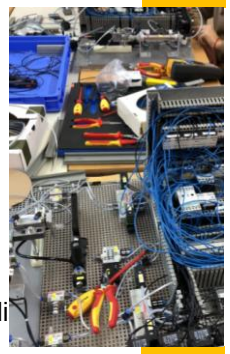


Working in different companies in an industrial environment.

Duration:
1 week at college,
2 weeks at companies

Level:
Beginner

Assessment:
paper & pencil test,
skills demonstration with technical di



Participants:
8 European students + 8 German students

Responsible teachers:
Rudolf Michalenko
Andreas Hertle
Malte Michaelis

System Integration Module

Content :

Integration of systems in supply chains with focus on the Internet of Things

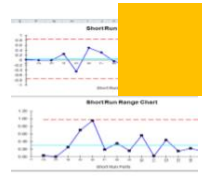
Cobots

Testing machines

Datatransfer by barcodes, qr-codes, RFID, BYOD
SPC, VR / AR

Automated measuring on CNC-machines

Duration:
2 weeks at college



Level:
High performer
(End of second year/ Beginning of third year)

Participants:
12 European students + 6 German students

Responsible teachers:
Andreas Lindner