Facilitate Internationalization of Teaching and Learning based on Self-made Teaching Experimental Machine tool series

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In international teaching and learning, the training of following qualities are necessary for students:

- Creative thinking
- Innovation ability
- Practical ability

By reforming and exploring the experimental teaching mode

The status of experimental teaching

(Take the major of mechanic engineering as an example)

Machine tool: bulky and expensive
Experiment Teaching Model: show-how
- A large crowd to look
A necessary professional knowledge for science-and-engineering students

Full of innovative thinking

Involving crossing and integration of multiple knowledge and skills
Self-made portable multifunctional EDM machine tool series

FEATURES

◆ Structure design:
  Modularization / Miniaturization
◆ Numerical control (NC)
◆ Servo feed control
◆ Multi-power modes
◆ Multi-information display

The sparrow may be small but it has all the vital organs.

The Best Self-made experiment Award, 2016
Teaching effect (1)

- As a teaching demonstration tool or technical communicate tool
- Can be carried to the classroom for on-site teaching

- One equipment per person
- Personally operate and practice
Be helpful to cultivate creative thinking
heuristic teaching mode
research teaching mode
innovative and comprehensive experiments

As a portable research tool to verify or investigate some new ideas
I really like this teaching model
It prompted me to think boldly
I really enjoy trying by myself

In the future
- Combine the latest research results
- Practice new teaching mode
- Continue improving

Thank you for your attention