



ergomach on-line course

Ergonomic design of the man – machine tool interface

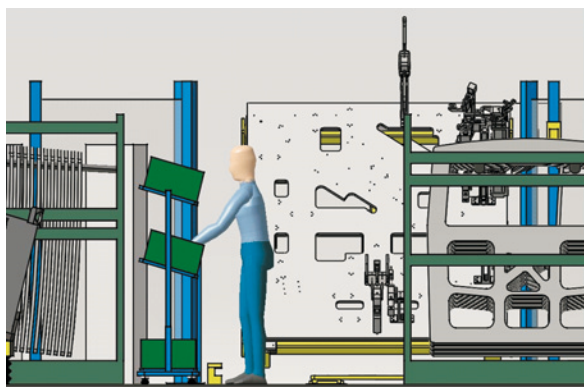


Leonardo da Vinci
Proyectos piloto

objectives

European machine tools manufacturers represent over 50% of the world production and employ more than 150000 workers in more than 1400 companies. In the last years, the strong competition from Asian countries' manufacturers of machine tools represents a serious threat for the future of this sector in Europe. More flexible, sophisticated and exact machines are the answer to the requirements of users, supplying constantly updated and innovative products. The application of ergonomic criteria to the design of machinery constitutes a key point in this strategy of innovation. Ergonomic design may improve user performance when using the machinery and improve the quality of the final product or of the productive process.

The objective of this on-line course is training professionals in the field of ergonomic design of the man-machine interaction: machinery, manual tools, controls, displays, etc.



addressed to

- Manufacturers of machinery, tools, controls, displays, etc.
- Industrial engineers and industrial designers (professionals and students).
- Professionals specialised in the design and implementation of work environments.
- Technicians in safety and health at work.



structure

- **Unit 1** - General ergonomic recommendations. Design decisions and principles.
- **Unit 2** - Anthropometric criteria.
- **Unit 3** - Ergonomic design of hand tools.
- **Unit 4** - Ergonomic design of controls, displays and information.
- **Unit 5** - Work environment: illumination, color, temperature, etc.
- **Unit 6** - Design for special populations: disabled, aging, pregnant workers, etc.

