



Thanks to its extensive design and manufacturing experience Astos Machinery produces bespoke tool machinery enclosures and housing to highest standards and customer's specific requirements.

The wide range of protective machinery covering , housing and cladding includes enclosures for CNC machinery, stationary and mobile housing , enclosures for the entire production lines. Our tool machinery protective enclosures are turnkey solutions to meet specific requirements of machine tool design. Our typical customers are the suppliers of small to medium sized CNC multi axis machines, large vertical lathes, horizontal boring machines, grinding machines and machinery production lines.

We are able to supply a modern design (including the study) for complete system. Machinery are filter enclosures with the integrated peripheral devices such as chip conveyor, filtration systems, hydraulic power pack and more. Our product saves so on foot print of the machinery, down time and overall costs.

Astos Machinery manufactures machinery protective enclosures also to customer's technical specification. Our vast experience in supplying the protective steel enclosures and housing for machine tool builders worldwide means we are an acknowledged and proved business partner in the field.

Based on our experience we are able to deliver solutions to very definite demands of users of specific technologies, (such as electro erosion tool machine- see picture below.)

The very specialized demands require solutions which provide answer to health, safety and environmental issues. The focus is primarily on the tightness of the enclosure to protect operators as well as expensive machinery. Important are various switches, glass see through, door closers, mechanical resistance, noise insulation, vapour recovery, air condition etc.



***Covering of electro - erosive machine including telescopic covers***

Astos Machinery team, thanks to the combination of experience and reliability has managed to win an ever increasing number of contracts and projects each year. Astos enjoys the reputation for performance in the field of machine tool protective enclosures. The enclosures are designed purposely to comply with health, safety and environmental measures and with the technologies used in mind. The enclosures are easily assembled-disassembled. Ergonomics is improved and design is modern and custom fit.

*from a design...*

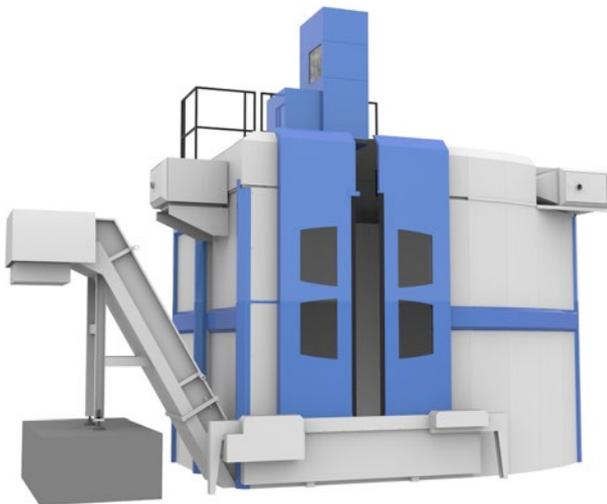


*...to the implementation*



### Machine description

Small foot print, double shell design for safety, security glass, easy access to electrical fittings and systems, covering space for automatic tool exchange, integrated peripherals, easy handling and accessibility by above crane and by fork lift from the front, effortless assembly and disassembly, significant improvement in neatness and appearance of tool machine housing.



### Specific requirements implemented

In order to provide an access to the worktable and uploading of a large work piece by overhead crane, the top of the enclosure had to be removable. Enclosure fitted with two extraction units which separate oil from the oil mist. Oil is than reused in the machine processing.