

## Finishing Cabins

### General Principles to Observe

Equip the cabins with air forced extraction systems, localizing the aspiration openings to the nearest proximity to the pieces to be painted.

Equip the cabins with a water curtain, (or dry porous filter) in a way to absorb varnish drops, pore-covers, and excessive ink.

Use an electrostatic gun with double isolation for the application of diverse finishing products, in order to avoid any electric contact. The body of cabin must be ground connected.

It is better to have also in the finishing room a general ventilation system. Electrical lighting and power installations must be explosion-proof.

The cabin shouldn't be used as a drying chamber, only to apply varnish, pore-covers or ink in the pieces.

Diminish physical effort during the process of applying the diverse finishing products during long periods of time. In order for this, periodic pauses or the alternation with light physical activities could be done.

Before the initiation of the activity individuals should be protected with the proper individual equipment. Arrange the local equipment against fire, also with foam fire extinguishers.

Maintain the piece preferably to column level in order to keep straight posture during the operation.

Avoid forced postures and prolonged flexing during the application of the products in the piece.

Always maintain the finishing cabin doors closed during the realization of the operation.

### Risk Factors

#### Personal falls

Falling provoked by the stored pieces in proximity to the machine's working area.

#### Falling objects

Falling pieces of wood to inferior members during the application of the diverse finishing products.

#### Excessive effort

Effort resulting from the elevation and manual movement of pieces of wood that are going to be worked. Sometimes there is going to be the need of elevating the wood piece higher than shoulder level.

#### Exposure to or contact against dangerous substances

Contact with the skin/peel of the varnish, pore-cover and inks, during its use. Exposure to organic vapors released during the work execution, risk of being inhaled.

#### Impacts against moving objects

Cuts resulting from hand contact with machine tools when pushing the piece into the machine.

#### Collision as a result of moving objects (including fragments and particles)

Eye protection from the finishing products used, splashes.

#### Exposure to noise

Exposure to noise emitted from the compressor, in the case that it is localized in the interior of the cabin, as a system used for the feeding of the gun during the application of the products.

#### Other forms of accidents not classified

Explosion or fire caused by the accumulation of inflammable gases.

#### Exposure to or contact with the electric current

Electric discharge originated from the spraying gun

### Individual Protection Equipment

Safety glasses against chemical action

Semi mask with filters against vapors and gases

Hearing protectors.

Impermeable coat.

Safety gloves for chemical action.

Protective shoes.