



## Tooling

Through worldwide activities, the name Microdia is closely associated with progress in the manufacturing technique of tooling which provides solutions in the chemical, pharmaceutical, plastic tubing and cable industries.

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The raw material chosen by Microdia for tooling manufacture is 100% Swiss. Every piece of our tooling is made at Microdia by top specialists in their field. In addition to its large manufacturing program of extrusion tooling made with tungsten carbide, hardened steel and diamond inserts, Microdia offers valuable experience in the design of extrusion tooling for twin cables, elevator cables, drop wires, ribbon cables, air-space cables, precision tubing, etc...

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Further information about other specialities can be obtained from the staff in our Sales or After-sales departments.

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# Tooling

## Dies

Microdia extrusion dies are made from:

**Hardened steel,**

**Tungsten carbide,**

or **Hardened steel body with tungsten carbide insert.**

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These are manufactured to fit any type of crosshead used in the wire and cable industry.

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Their use guarantees a high quality of the insulated conductor.

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The performance of our products is guaranteed by optimal tooling design, which always takes into account the insulating material being extruded.

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Being aware of high insulation quality required by our customers, we have the tightest tolerances and a mirror polished surface finish which is second to none.

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## Wire-guides

Microdia wire-guides are made from:

**Hardened steel,**

**Tungsten carbide,**

**Hardened steel body with tungsten carbide insert,**

or **Hardened steel body with diamond insert.**

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These have been developed to meet the highest demands of the wire and cable industry.

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Our wire-guides with tungsten carbide or synthetic inserts are provided with a hardened steel body into which the inserts are solidly fixed.

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Our wire-guides with diamond inserts for fixed centering crossheads are equipped with diamonds having an extremely high degree of hardness and purity.

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A special centering process guarantees to keep the stone in position under the most difficult circumstances and results in a long life of our products.

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We are able to guarantee a precision of the diamond insert position to 2 microns.

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