

Microcut Ltd



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Microcut Ltd. specialises in providing standard and customised machines for processing small bores down to 0.015 mm. The bore size, geometries and surface quality can be optimised according to specific requirements. The scope of "Microcut® Bore Sizing (MBS)" includes in-house machinery design and manufacture, tools, machining processes, training, service and consulting. In the course of the progressive miniaturisation, the Microcut® Bore Sizing will gain more and more importance, due to the fact that the common machining processes reach their technical limits or they are no longer economical. Since 2008 Microcut extended its service activities by a complete setup of a subcontracting department for the MBS technologies. Continuous subcontracting orders in various application fields means a ideal platform for further developments on production machines, tooling and machining processes. The subcontracting also supports continuously the in house honing- and lapping-tool manufacturing with latest experiences and guaranties regular improvements in efficiency, accuracy and economy. In addition to the expertise of MBS, over the past 20 years Microcut has achieved the market leading position as the solution provider for complete ferrule manufacturing setups in the fibre optic connector industry. Machines for each individual processing

step, such as bore finishing, automatic outer diameter and concentricity grinding, as well as ferrule quality control systems are designed and manufactured by Microcut. They are used to produce high volumes of components in today's well advanced ferrule production sites around the world. Microcut Ltd. was founded in 1995 and specialises in providing standard and customised machines for honing and lapping of small bores (Microcut® Bore Sizing MBS). In addition to the expertise of MBS, Microcut has achieved the market leading position as the solution provider for complete ferrule manufacturing setups in the fibre optic connector industry. Until today more than 600 machines were supplied into several highly specialised market sectors, e.g. fibre optic, semiconductor, automotive, tooling for flatscreen-panels, medical as well as for various tool manufacturing. The core competences of Microcut

cover the following 5 sections: Microcut® Bore Sizing (MBS)
Honing and Lapping of bores with diameters 0.015 mm to 8.0 mm

- Machines
- Tooling
- Subcontracting Outer diameter and concentricity grinding

Concentricity grinding to 0.0005 mm

Cylindrical pin frontend, radius chamfer and step

Ferrule manufacturing Solution provider for ferrule manufacturing for fibre optic

connectors Honing and lapping tools

in the diameter range of 0.015 mm to 8.0 mm Subcontracting

Machines in operation for various applications

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