

MIPEC PRICELIST

Name/Picture	Description	Unit price EUR
4MILL300 	<p>CNC machine for the production of PCB prototypes. Max. PCB size Y= 140mm, X=200mm.</p> <ul style="list-style-type: none"> · PCB engraving software TrackMaker · 60K RPM HF spindle motor · Face milled aluminum table with central T-slot · Engraving head with depth control · Connector for dust extraction unit · Starter toolset. 	
4MILL300ATC 	<p>CNC machine for the production of PCB prototypes with automatic tool change system. Max. PCB size Y= 140mm, X=200mm.</p> <ul style="list-style-type: none"> · PCB engraving software TrackMaker · 60K RPM HF spindle motor with pneumatic clamp · 12 position tool-changer · Face milled aluminum table with central T-slot · Engraving head with depth control · Connector for dust extraction unit · Starter toolset <p>* Machine requires connection to compressed air for automatic tool change system and motor sealing air</p>	
4MILL600 	<p>CNC machine for the production of PCB prototypes, RF boards, antennas...</p> <p>Max. PCB size Y= 500mm, X=300mm.</p> <ul style="list-style-type: none"> · PCB engraving software TrackMaker · 60K RPM HF spindle motor · Face milled aluminum table with T-slots · Engraving head with depth control · Connector for dust extraction unit <p>Starter toolset.</p>	

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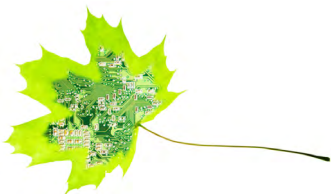
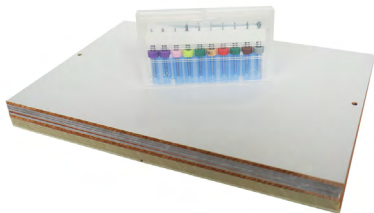
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pcbprototyping_mipec

IBAN: CZ0201000001231989210257
Bank: Komerční banka a.s.
SWIFT code: KOMBCZPPXXX
No banking charge accepted on our side

WHAT IS INCLUDED?

Name/Picture	Description
PCB CAD Software TrackMaker 	<p>Complete software solution for importing, editing and processing of Gerber and Excellon data. Software calculates toolpaths with multiple tools, can create cutouts, copper remove area and much more. All you need is your favorite PCB CAD package, and you are ready to go.</p> <p>TrackMaker allows direct import from KiCad, Eagle and other EDA tools - unlike some competing software that requires additional conversion steps, TrackMaker allows smooth data import and easy Gerber/Excellon file processing.</p> <p>Automatic milling strategy recommendation - Competitive systems often require manual selection of milling parameters, whereas TrackMaker intelligently suggests the best milling method and tooling, saving time and reducing errors.</p> <p>Automated tool change prompts - the software alerts the user when it's time to change tools, eliminating errors and ensuring process continuity.</p> <p>Guided double-sided milling - TrackMaker provides clear instructions for flipping the board, eliminating common alignment errors found in competing solutions.</p>
Starter kit 	<p>Starter toolset contains:</p> <ul style="list-style-type: none"> · A set of PCB materials · drill underlay material · brushing pad · 10 tools <p>Standard milling tool for 0,2 - 0,5mm insulation paths 2pcs Fine milling tool for 0,1 - 0,15mm insulation paths 1pcs Contour router 2mm 1pcs End mill 1mm 1pcs Drill bit 0,6mm 1pcs Drill bit 0,8mm 1pcs Drill bit 1mm 1pcs Drill bit 1,5mm 1pcs Drill bit 3mm 1pcs Copper plates FR4, format A5, double sided 5pcs Copper plates FR4, format A5, single sided 5pcs Drill underlay material, format A5 2pcs Cleaning pad 1pcs</p>
Complete cabling	<p>Machine is delivered included all necessary cables.</p>

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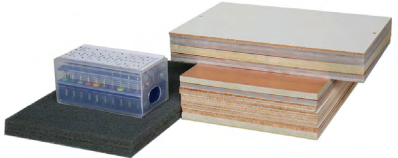
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RECOMMENDED ACCESSORIES

Name/Picture	Description	Unit price EUR
Compressor for ATC machine only 	<p>4MILL300ATC requires compressed air for tool change and protective air. If you don't have compressed air available, we can offer compact, silent, oil free compressor ready to be connected directly to the ATC machine. Suitable for 200-240V, 1 phase, 50/60Hz supply. Delivered with 2m of 6 mm air hose. With height of just 57cm it fits perfectly under the table.</p> <p>Receiver: 24 liters Output: 110 liters per minute Maximum Pressure: 8 bar / 116 psi Noise Level HT: 54dB Filter/Regulator unit: 0 – 8bar / 10 micron</p>	
Dust extraction unit with HEPA filter 	<p>Complete system for dust extraction especially developed for 4MILL machines.</p> <ul style="list-style-type: none"> · 0.4kW motor · 200-240V · 50/60Hz <p>Unit can be switched ON or OFF manually or it is started automatically during milling.</p>	
Professional toolset 	<p>Professional toolset contains:</p> <ul style="list-style-type: none"> · set of PCB materials · drill underlay material · brushing pads and · 50pcs of various tools <p>Standard milling tool for 0,2 - 0,5mm paths 10pcs Contour router 1mm 2pcs Contour router 2mm 2pcs End mill 1mm 2pcs Drill bit 0,6mm 5pcs Drill bit 0,7mm 5pcs Drill bit 0,8mm 5pcs Drill bit 0,9mm 5pcs Drill bit 1mm 5pcs Drill bit 1,3mm 2pcs Drill bit 1,5mm 2pcs Drill bit 2mm 1pcs Drill bit 3mm 2pcs Copper plates FR4, format A5, double sided 10pcs Copper plates FR4, format A5, single sided 10pcs Drill underlay material, format A5 10pcs Cleaning pads 2pcs</p>	

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RECOMMENDED ACCESSORIES

Name/Picture	Description	Unit price EUR
Power switch 	<p>Used ONLY for the convenient automatic switching of common vacuum cleaners ON or OFF during milling.</p> <p>If you purchase our DUST EXTRACTION UNIT, you don't have to purchase this item.</p>	
Maintenance kit 	<p>Set for regular cleaning and lead screws maintenance. Set contains special grease required for lead screws.</p>	
USB dongle 	<p>License dongle can be used as an additional license for TrackMaker or in cases where the computer doesn't have the access to the internet in order to activate the software (i.e. strict firewall rules, no admin access to internet). Dongle also simplifies operation if TrackMaker is often used on different computers.</p>	
Online training 	<p>Half day training (4h) is meant for starters with the machine, but also for the professionals who have already worked with the machine but look for insights into the working of the software and the machine.</p>	
<p>Prices: exclusive taxes, Ex-Works 53371 Dolni Roven, Czech rep. (ICC incoterm 2010) Delivery time: approx. 2-3 weeks after receiving advanced payment Delivery: can be calculated on request Warranty: 1 year on parts and labor — travel and shipping expenses are not included Origin of goods: Czech republic / EEC A large variety of other tools and accessories are available for all MIPEC machines. Visit our e-shop for more information.</p>		

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