

# Haimer Microset UNO Premium

## Haimer Presetting Machine

**HAIMER®**  
Quality Wins.

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Haimer USA, LLC

2024

Dear Valued Haimer Customer,

Thank you very much for your inquiry. We are pleased to quote you the HAIMER Microset **“UNO Premium” Tool holder presetting machine!**

The **Haimer Microset UNO Premium** allows you to preset tool holders, boring heads, face mill cutters and other tooling:

- Rigid and ergonomic design that is FEM optimized and has a thermos-resistant cast iron construction
- Utilizes reflective light in segments for optical inspection of the cutting edge
- Has various measurement functions for turning, milling, and drilling tools
- Contains an intuitive menu navigation and control for simple operation
- Repeatable accuracy up to +/- 0.002 mm (+/- 0.00008")
- Wide variety of options available for flexibility and versatility



### Price Specification

#### Basic Unit

#### List Price:

Basic Unit		List Price:
M-G1180	<b>Tool presetter UNO 20 40 premium 400</b>	\$29,120.00
	<b>Measuring range</b>	
	Length: Z = 400 mm (15.75 in)	
	Diameter: X = 400 mm (15.75 in)	
M-G1190	<b>Tool presetter UNO 20 70 premium 700</b>	\$34,530.00
	<b>Measuring range</b>	
	Length: Z = 700 mm (27.56 in)	
	Diameter: X = 400 mm (15.75 in)	
	Snap gauge: X = 100 mm (3.94 in)	

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### **Both Machine Options Include:**

#### **Ultra-precision spindle ISO 50, manual**

- Run-out accuracy at the spindle of: 0.002 mm

#### **Manual operation of the X and Z axes** - Manual endless fine adjustment of the X and Z axes

#### **Heidenhain glass scales** - In X and Z axes

#### **Vacuum-tool clamping** - For tools with SK

#### **Pneumatic spindle brake**

#### **Software and control**

- Microvision UNO
- 1000 Zero points
- Tool storage for 1000 tools
- Sigma function
- USB
- Lan/Network
- 22" TFT Monitor
- 38-times magnification for cutting tools
- HD-Display resolution 1366 x 768 (16:9)
- ITX PC-system keyboard and mouse
- Operating system Windows 10 Professional 32 Bit
- German or English

#### **Thermal printer for label printing**

- Includes 800 labels

#### **System cabinet premium incl. adapter tray for 6 tools and adapters**

- The tray is delivered without inserts. Please select the suitable inserts from articles M-Z2041 to M-Z2046. You can choose different inserts, and the number is limited to max. 6

#### **"Technology" Package**

- **Tool inspection light**  
Tool inspection light, adjustable intensity by touch keys
- **Edgefinder**  
For fast focusing on tool cutting edges
- **Release-By-Touch**  
Hand grip with intelligent sensor control to move the X- and Z-axes

### ***Installation and Training - Travel Costs Not Included***

<b>91.101.32.00</b>	<b>\$1,364.00 US</b>
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### ***Maintenance Packages - Please see Service Flyer for details!***

<b>Part Number</b>	<b>Price for 1 Year</b>	<b>Total Price for 3 years</b>
<b>91.101.32.01 (Single)</b> <i>-One-time preventative maintenance call</i> <i>-Full check of the machine/parts</i> <i>-Calibration</i> <i>-Ordered as needed</i>	\$1,679.00 US	N/A
<b>91.101.32.20 (Premium Maintenance)</b> <i>-Three-year maintenance contract</i> <i>-Full check of the machine/parts</i> <i>-Calibration</i>	\$1,679.00 US	\$5,037.00 US

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-Set price for three years		
<b>91.101.32.40 (Quality Wins Maintenance)</b> <i>-All the benefits of the Premium pkg. PLUS:</i> <i>-Warranty extended to three years total</i> <i>-Discounts on wear and spare parts</i> <i>-Travel costs included in the price!</i>	\$4,200.00 US	\$12,600.00 US

### Spindle

### List Price:

M-S1032	<b>ISS-U Manual Universal ultra precision spindle with "integrated clamping system"</b> Concentric run-out accuracy 0.002mm (0.00008") Pneumatic, mechanical ISS spindle clamping Clamping force up to 20 kN Mechanical adapter locking Pneumatic spindle brake Low loss of measuring path due to standardized adapter height Operator independent clamping of the tools High adapter change accuracy **The ISS spindle is supplied without any adapter. A minimum of one adapter is necessary for use. Please select the suitable adapter(s) from the Adapters and Reduction sleeves section below. *** <b>Cannot be retrofitted, must be ordered with machine</b>	\$10,751.00 US
M-I1009	<b>Pneumatic Indexing 4 x 90° and 3 x 120°</b>	\$1,353.00 US

### Machine options

### List Price:

M-F1014	<b>Turning package - Second camera</b> 2nd camera assembled in the objective mount for center height control of cutting edge adjustable LED illumination Pneumatic indexing 4 x 90° and 3 x 120°	\$8,225.00 US
M-Z2115	<b>Control electronics PC system and monitor 24"</b> 49-times magnification for cutting tools 10-point-multi touch monitor 24" HD-Display resolution 1366 x 768 (16:9) ITX PC-system keyboard and computer mouse Operating system Windows 10 Professional 32 Bit	\$2,123.00 US
M-Z2060	<b>Levelling feet with vibration damping</b>	\$396.00 US
M-Z1321	<b>Magnet board</b> For neat and clean storage of documents *Only in combination with Premium system cabinet	\$885.00 US
M-Z1040	<b>Alignment and Calibration set</b> Reference Adapter and SK50 300m test mandrel	\$2,675.00 US
M-Z1910	<b>Dust cover UNO</b>	\$316.00 US
M-Z2046	<b>Insert for adapter tray size I (30 mm)</b> suitable for: HSK 32, Capto C3, KM 32, VDI 16, VDI 20, VDI 25	\$59.00 each
M-Z2045	<b>Insert for adapter size II (35 mm)</b> suitable for: HSK 40, VDI 30, Capto C4, KM 40	\$59.00 each

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M-Z2044	<b>Insert for adapter tray size III (40 mm)</b> suitable for: ISO30, BBT30, HSK 50, Capto C5, KM 50	\$59.00 each
M-Z2043	<b>Insert for adapter tray size IV (50 mm)</b> suitable for: ISO40, BBT40, HSK 63, Capto C6, KM 63	\$59.00 each
M-Z2042	<b>Insert for adapter tray size V (72 mm)</b> suitable for: ISO45, HSK 80, VDI 40, VDI 50, VDI 60, Capto C8, KM 80	\$59.00 each
M-Z2041	<b>Insert for adapter tray size VI (80 mm)</b> suitable for: ISO50, BBT50, HSK 100	\$59.00 each
M-Z2074	<b>Backup System Pro</b> Incl. software for manual or automatic backup of data and images SSD Drive for storing data and image files UPS System to protect critical components and the control electronics for under/over voltage interruptions	\$4,015.00 US
M-Z2075	<b>Backup System Basic</b> Incl. software for manual or automatic backup of data and images	\$1,362.00 US
M-P4020	<b>Direct Photo Storage</b> External camera from Microset for taking pictures of tooling and directly storing in the tool data	\$1,393.00 US
M-P5014	<b>Microvision DEMO Dongle</b> Allows the licensing of the Microvision, as well as its modules, to be limited in time. Activation of locked functions by transmitting and entering an unlock code. ** Requires min. Microvision Software 7.2.0.11	\$554.00 US

### Software options

M-P4030	<b>Unlimited Tool Storage</b> Allows saving and retrieval of individual tools and tool sets in a tool database	\$1,393.00 US
M-P4131	<b>User management</b> Creation of various authorization stages for users	\$680.00 US
M-P4160	<b>X/Z Axis released separately</b> Moving one arbitrary axis, activation by software <i>*must be ordered with machine, cannot be retrofitted!</i>	\$415.00 US
M-P1570	<b>Database import Zoller Pilot 3</b> One-time import of XML files from a Zoller device using Pilot 3.0 software <i>*File must be provided in XML Zoller format!</i> <i>**Obligation of the customer to cooperate. Third-party costs may apply.</i>	\$2,675.00 US
M-P5008	<b>History of measurements</b> Recording of all measurements and various activities. The stored measurements can be output as a CSV file. <i>** Requires min. Microvision Software 7.5.X.X</i>	\$1,514.00 US
M-P1405	<b>Angle head – Software module</b> - For measuring angle head tools 0-100°	\$2,675.00 US

**Data transmission** - Most common options listed, contact Haimer USA office or sales team for additional options!

M-P1511*	<b>Data output post processor each data format</b> Data output via Ethernet (based on shared folder) or USB keychain, for one specified controller type The controller must be a standard one, without any special Hard- or Software <i>*Must supply right type of control, software version (release) &amp; machine to Haimer</i>	\$2,675.00 each format
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M-P1303	<b>Postprocessor Standard Package</b> Incl. over 100 Postprocessors of most standard controls, ex. Siemens, Heidenhain, Fanuc, Hurco, Haas, Okuma, Heller, Storrec, Selca, Makino, and many more! Contact Haimer USA for complete list! <i>*Any modifications to standard posts would incur additional service costs, please contact Haimer Technical department for details.</i>	\$2,675.00 US
M-P1532	<b>Bidirectional Interface for data transfer</b> Data out and input via Ethernet Connection of external data bank, programming systems, CAD-CAN and Tool management systems <i>**Only in combination with M-A2040 Premium Pro Package</i>	\$15,344.00 US
M-Z2081	<b>Industrial Scanner – Premium</b> Suitable for printed and laser-etched codes Identifies tools by scanning 1D and 2D barcodes, UPC/EAN, DataMatrix, QR codes or Micro QR	\$4,582.00 US
M-P1531*	<b>RFID technology manual</b> <b>tool identification by data carrier with manual handling</b> - read and write Hard- and Software for RFID data carrier - e.g. Balluff, Euchner, Pepperl+Fuchs - data format to be ordered separately – must purchase M-P1506 <i>*Required info:</i> <i>RFID Manufacturer (Balluff, Euchner, Pepperl+Fuchs)</i> <i>RFID Code Tags/chips part number(s) – (e.g. Balluf, BIS C-122-04/L)</i> <i>**Customer is under obligation to cooperate, or third-party costs may apply</i> <i>**Only in combination with Premium Pro package!</i>	\$10,762.00 US
M-P1551	<b>HQR-Connect</b> After measuring the tool, a label with a QR code is printed, and includes all needed data for feed the machine tool control. The QR code scanner, connected to the machine control via USB, reads the QR code and transmits the tool data directly into the control. <i>*Does not work with all controls, please consult with HAIMER USA's technical department</i>	\$7,454.00 US
M-P1506	<b>RFID technology for any other, single data format</b> <b>Customer MUST supply completed RFID info EN V4 at time of order placement including sample RFID chip with machine too, written data, and screen shots as outlined in form RFID info EN V4</b> <b>If not possible at time of order placed – order for M-P1506 MUST be placed on separate purchase order</b> <i>**customer is under obligation to cooperate, or third-party costs may apply</i>	\$3,082.00 each format

**Reducers/Adapters** - Most common options listed, contact Haimer USA office or sales team for additional options!

M-R1001	<b>ISO50 : ISO, BT, BBT, ANSI, CAT 30</b> Note – reduction of setting length 25 mm (0.98 in)	\$1,076.00 US
M-R1000	<b>ISO50 : ISO, BT, BBT, ANSI, CAT 40</b> Note – reduction of setting length 20 mm (0.79 in)	\$1,353.00 US
M-R1070	<b>ISO50 : HSK ACET 25 / BDF 32</b>	\$2,488.00 US

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	Note – reduction of setting length 50 mm (1.97 in)	
M-R1034	<b>ISO50 : HSK ACET 32 / BDF 40 clamping</b> Note – reduction of setting length 50 mm (1.97 in)	\$3,989.00 US
M-R1035	<b>ISO50 : HSK ACET 40 / BDF 50 clamping</b> Note – reduction of setting length 60 mm (2.36 in)	\$3,989.00 US
M-R1036	<b>ISO50 : HSK ACET 50 / BDF 63 clamping</b> Note – reduction of setting length 70 mm (2.76 in)	\$3,989.00 US
M-R1037	<b>ISO50 : HSK ACET 63 / BDF 80 clamping</b> Note – reduction of setting length 80 mm (3.15 in) *Does not apply for HSK 80F “Makino” taper, see M-R4071	\$3,284.00 US
M-R1038	<b>ISO50 : HSK ACET 80 / BDF 100 clamping</b> Note – reduction of setting length 90 mm (3.54 in)	\$3,989.00 US
M-R4071	<b>ISO50 : HSK ACET / BDF 80 “Makino”</b> Note – reduction of setting length 80mm (3.15 in)	\$4,140.00 US
M-R1039	<b>ISO50 : HSK ACET 100 / BDF 125 clamping</b> Note – reduction of setting length 110 mm (4.33 in)	\$3,989.00 US
M-R1048	<b>ISO50 : PSC 63 clamping - IKZ</b> Note – reduction of setting length 120 mm (4.72 in)	\$5,221.00 US

### Technical Description

**M-G1180** - Type UNO 20|40 premium 400 Microvision UNO

Setting range Ø 400 mm x 400 mm length (15.75 in x 15.75 in)

**M-G1190** - Type UNO 20|70 premium 700 Microvision UNO

Setting range Ø 400 mm x 700 mm length (15.75 in x 27.56 in)

### Both models fully equipped with:

- Image Processing System Microvision UNO with the following features:  
Mega-pixel camera with telecentric lens and blue light of telecentric illumination  
Field of vision app. 4.5 x 4.5 mm (0.18 x 0.18 in),  
Full screen imaging, 38 x magnification  
Display accuracy 0.001 mm (0.00004 in), repeatability +/- 0.002 mm (+/- 0.00008 in)  
Cutting edge inspection  
Measuring with fixed or dynamic cross hairs  
Intuitive user interface for shortest measuring cycles  
Clear, concise screen image, extremely ergonomic operation and operator safety  
Tool database for 1000 tools, memory of the tools with pictures, technological parameters  
Wide features for backup and data management  
Absolute-, difference- and increment display, Radius/Diameter-Switch  
Interfaces: Ethernet-card, USB
- Heidenhain glass scales in both axes
- Pneumatic clamping of slides with endless fine adjustment
- Robust cast iron construction
- Compressed air: 6 - 8 bar (adjusted to 6 bar)
- Pressure regulator
- Air consumption max. 10 liters per hour (depending on the equipment and the work cycles)
- Electrics: 100 V - 240 V (IEC power socket with safety plug)

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- Electrical power consumption: 650 VA max.
- Weight max. 270 kg, dimensions without arm (w/l/h): ca. 510/ 1254/ 1735 mm (20.1/ 49.4/ 68.3 in)
- Color of unit: HAIMER Standard, titanium grey / calcite white
- Label printer

**\*\* Prior to order being processed and placed, check with HAIMER Technical Services team to ensure that all technical specifications have been clarified**

<b>Terms:</b>	Net 30 days (subject to credit approval) – FOB Villa Park, Illinois. All prices quoted as U.S.D.
<b>Delivery:</b>	12 - 14 weeks upon receipt of purchase order. However, this delivery may possibly be expedited. Please contact Haimer USA for availability in Villa Park Illinois (all stock is subject to prior sale)
<b>NRTL and CSA Approval:</b>	Customer is responsible for all NRTL / CSA certification, including costs and field evaluations
<b>Machine-Warranty:</b>	Haimer USA., the ("Seller") warrants to the user, who purchases and uses ("The User") the product, as hereinafter defined against defects in materials and workmanship for one year from the date of delivery of the product to the user. That includes parts in the machine and labor. (Does not include optional parts & accessories)
<b>Parts &amp; Accessories Warranty:</b>	Haimer USA LLC., the ("Seller") warrants to the user, who purchases and uses (the "User") the product, as hereinafter defined against defects in materials and workmanship for 90 days from the date of delivery of the product to the user. That includes parts & accessories. (Does not include machines)
<p>This Warranty does not cover damage due to improper use or handling. Only for manufacture defects</p> <p>Any attempts to repair, disassemble, modify, alter or otherwise change the Product voids this warranty. It is the User's responsibility to see that the product is suitable for the User's applications of the product.</p> <p>Common wear parts such as bearings, seals &amp; rotary unions (and the like), which are subject to wear and tear, are not included in this warranty.</p> <p>Our obligation under this warranty is to the initial User only / This Warranty provides for no credit or cash refund to this User.</p> <p>This Warranty is limited exclusively to the repair or replacement of the parts found defective by Haimer USA LLC Service department</p> <p>This Warranty is subject to change without notice, provided however, even though Haimer shall not be required to give notice of a change in its Warranty, Haimer USA will make reasonable effort to notify customers and Distributors, who shall be obligated to notify its customers, of any substantive changes in the Warranty by either written notice to the changed Warranty in the product's package.</p>	

This quote is good for 30 days. Please feel free to call me with any questions and thanks again for the opportunity to quote.

Best regards,  
**Brendt Holden**  
President

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V1\_01.01.2024