

COMPLETE ULTIMATE SYSTEM WITH POWERFUL METAL CNC MACHINE



The 5-axis milling machine
for wet and dry machining.

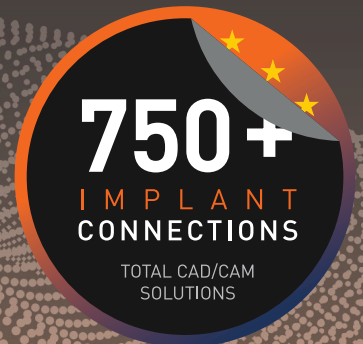


kızılırmak

Lab. Mal. ve Diş Deposu
San. ve Tic. Ltd. Şti.



ARUM 5X-200



Wet



Dry



All Disk



Connectorless



CAD Block



Pre-milled



5Axis

ARUM

ARUM Milling Machine Line-up



| Model | 5X-500L | 5X-500 | 5X-200 | 5X-450 |
|----------------------------|-----------------|----------------|----------------|----------------|
| Axis | 5 Axis | 5 Axis | 5 Axis | 5 Axis |
| Processing | Wet and Dry | Wet and Dry | Wet and Dry | Wet and Dry |
| Max. RPM | 60,000 | 60,000 | 60,000 | 60,000 |
| Spindle Power | AC 2.2kw | AC 2.2kw | DC 3.0kw | AC 1.28kw |
| A.T.C | 20 | 20 | 15 | 15 |
| Tool Shank (mm) | Ø6 | Ø6 | Ø6 | Ø6 |
| Motor | Servo | Servo | Servo | Stepping |
| Drive Mechanism | Ball Screw | Ball Screw | Ball Screw | Ball Screw |
| Way System | Linear Guide | Linear Guide | Linear Guide | Linear Guide |
| Total Size (W*D*H) | 1100*910*1735mm | 710*910*1695mm | 800*950*1760mm | 790*790*1645mm |
| Weight (Machine / Table) | 330kg / 87kg | 230kg / 65kg | 270kg / 135kg | 185kg / 65kg |
| Travel | X, Y, Z axis | 228*128*130mm | 228*128*130mm | 245*116*130mm |
| | A / B axis | 360° / ±30° | 360° / ±30° | 360° / ±35° |
| Disk Jig or Cartridge Type | O type, C type | O type, C type | O type | C type |
| Number of Jig | 12 | - | - | - |
| Jig exchange | Auto | - | - | - |

Materials

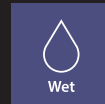
| | | | | |
|--------------------|----------|----------|---------|---------|
| Pre-milled Blank | ◎ (10ea) | ◎ (10ea) | ◎ (5ea) | ◎ (5ea) |
| Co-Cr & Ni-Cr Disk | ○ | ○ | ◎ | X |
| Titanium Disk | ◎ | ◎ | ◎ | ○ |
| Lithium Disilicate | ○ | ○ | ○ | ○ |
| Nanocomposite | ◎ | ◎ | ◎ | ◎ |
| Zirconia | ◎ | ◎ | ◎ | ◎ |
| PMMA | ◎ | ◎ | ◎ | ◎ |
| PEEK | ◎ | ◎ | ◎ | ◎ |
| Wax | ◎ | ◎ | ◎ | ◎ |

Applications

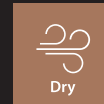
| | | | | |
|-----------------------|---|---|---|---|
| Implant Bar | ◎ | ◎ | ◎ | ◎ |
| Screw-Retained Bridge | ◎ | ◎ | ◎ | ◎ |
| Customized Abutment | ◎ | ◎ | ◎ | ◎ |
| Hybrid Abutment | ◎ | ◎ | ◎ | ◎ |
| Inlay & Onlay | ◎ | ◎ | ◎ | ◎ |
| Crown & Coping | ◎ | ◎ | ◎ | ◎ |
| Crown & Coping Bridge | ◎ | ◎ | ◎ | ◎ |
| Model | ◎ | ◎ | ◎ | ◎ |
| Bite Splint | ◎ | ◎ | ◎ | ◎ |
| Denture | ◎ | ◎ | ◎ | ◎ |

ARUM 5X-200

DC
3.0kw



Wet



Dry



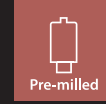
All Disk



Connectorless



CAD Block



Pre-milled



5Axis

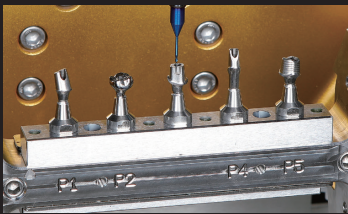
Steady Seller for Years



European Milling Strategy Set-up

For more than 750 implant connections.

Connectorless Abutment Milling



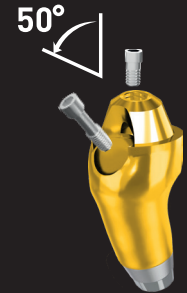
Machine Hard and Soft Materials

Including: CoCr, Titanium, Stainless, Glass-ceramics, Zirconia, PMMA and more.



Continuous Revolution from Europe R&D Team

Developing new milling structure for the maximum usability.



Solid Machine Frame for Incomparable Quality

405kg machine weight with cast aluminum frame.

Strongest Spindle Power

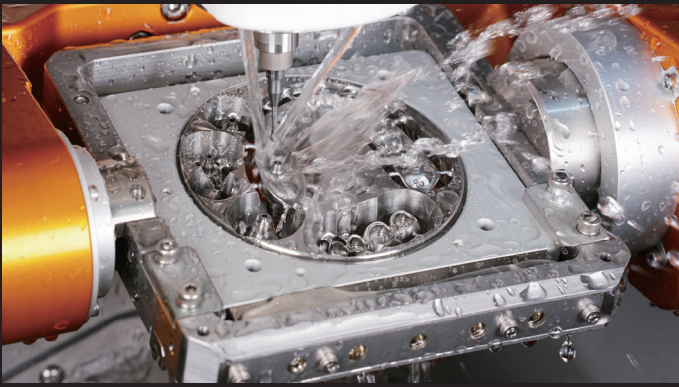
5-Axis

Simultaneous machining including undercuts.

Materials & Applications Info.

| Materials | | Applications | |
|--------------------|---------|--|---|
| Pre-milled Blank | ⊙ (5ea) | Implant Bar | ⊙ |
| Co-Cr & Ni-Cr Disk | ⊙ | Screw-Retained Bridge (Crown & Coping) | ⊙ |
| Titanium Disk | ⊙ | Customized Abutment | ⊙ |
| Lithium Disilicate | ○ | Hybrid Abutment | ⊙ |
| Nanocomposite | ⊙ | Inlay & Onlay | ⊙ |
| Zirconia | ⊙ | Crown & Coping | ⊙ |
| PMMA | ⊙ | Crown & Coping Bridge | ⊙ |
| PEEK | ⊙ | Model | ⊙ |
| Wax | ⊙ | Bite Splint | ⊙ |
| | | Denture | ⊙ |

⊙: High Compatibility / ○: Compatibility / X: Non-Compatibility



A Standard of METAL Milling

This machine can be compared with none of the metal milling machine. You can mill various shapes such as Implant Bar Bridge, Screw-retain Bridge, and Partial Framework using various materials such as Co-Cr, Titanium and Ni-Cr, etc. Based on unsurpassed metal milling capability and extensive know-how accumulated over many years, the excellence of our product has been proven in the global market.

Easy Material Replacement

As it is easy to replace Disk Cartridge, you can replace Disk quickly and easily and use materials economically.

Specifications

| | | | | |
|-----------------|-------------|--------------------------|----------------|---------------|
| Axis | 5-Axis | Drive Mechanism | Ball Screw | |
| Processing | Wet and Dry | Way System | Linear Guide | |
| Spindle Power | DC 3.0kw | Machine Size (W*D*H) | 800*950*940mm | |
| Max. RPM | 60,000 | Total Size (W*D*H) | 800*950*1760mm | |
| A.T.C | 15 | Weight (Machine / Table) | 270kg / 135kg | |
| Tool Shank (mm) | Ø6 | Travel | X,Y,Z axis | 330*146*145mm |
| Motor | Servo | | A / B axis | 360° / ±30° |

Tool List

| | Code | Size | Code | Size | Code | Size |
|---------|--------|------------------|--------|------------------|--------|------------------|
| Basic | ZB-05 | D2.0*L20*55 | MB-14 | D0.6*L03*50 | MF-15 | D2.0*L18*55 |
| | ZB-06 | D1.0*L14*53 | MD-18 | D1.5*L14*50 | MF-45 | D1.5*L07*50 |
| | ZB-07 | D0.6*L08*50 | MD-19 | D2.0*L18*55 | MF-71 | D0.6*L05*50 |
| | MB-09 | D3.0*L12*50 | DG-21 | D1.0*L10*50 | MFR-44 | D1.5*L05*R0.1*50 |
| | MB-10 | D2.0*L12*50 | DG-22 | D0.6*L08*50 | MFR-66 | D1.5*L14*50 |
| | MB-11 | D1.5*L10*50 | DG-37 | D2.5*L12*50 | MTR-72 | M2*P0.4 |
| | MB-12 | D1.0*L10*50 | DG-38 | D1.5*L10*50 | | |
| Special | Code | Size | Code | Size | Code | Size |
| | ZB-01 | D2.0*L20*63(Dia) | TC-41 | D1.5*L08*50 | MR-06 | D2.3*L18*55*90° |
| | ZB-01A | D2.0*L20*63(DLC) | TC-42 | D1.8*L08*50 | MR-07 | D2.3*L18*55*30° |
| | ZB-02 | D1.0*L16*63(Dia) | MD-73 | D1.1*L05*50 | MR-09 | D2.4*L18*55*70° |
| | ZB-02A | D1.0*L16*63(DLC) | MFR-43 | D2.0*L18*R0.2*55 | MR-10 | D2.6*L18*55*30° |
| | ZB-03 | D0.6*L13*63 | MFR_66 | D1.5*L14*50 | MR-11 | D2.4*L18*55*140° |
| | ZB-04 | D0.3*L1.5*63 | MTR-74 | M1.4*P0.3 | MR-12 | D2.6*L18*55*90° |
| | ZB_08 | D0.5*L08*50*6° | TH-69 | M2.0*P0.4 | MR-13 | D2.7*L18*55*70° |
| | ZB-77 | D3.0*L20*50 | TH-70 | M1.4*P0.3 | MR-14 | D2.3*L18*55*70° |
| | ZB-78 | D0.3*L1.5*50 | MR-01 | D3.5*L18*55*180° | MR-15 | D2.3*L18*55*180° |
| | MB-67 | D1.5*L16*52 | MR-02 | D2.6*L18*55*180° | MR-16 | D2.4*L18*55*90° |
| | TC-40 | D2.0*L08*50 | MR-05 | D2.3*L18*55*120° | | |

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with
PERFECTION



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