

# SYSTÈME COMPLET ULTIME AVEC PUISSANTE MACHINE CNC POUR LE MÉTAL



Usineuse à 5 axes  
pour l'usinage à sec et humide.



## ARUM 5X-200

800+

IMPLANT  
CONNECTIONS

TOTAL CAD/CAM  
SOLUTIONS



Wet



Dry



All Disk



Connectorless



CAD Block



Pre-milled



5Axis

ARUM

# Détail des usineuses ARUM



Metal Disk [ 800+ Implant Connection Milling ]

Pre-milled Blank

Zirconia Block

| 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             | AC 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)         | 1078*921*1713mm | 689*918*1706mm       | 815*949*1755mm       | 791*791*1657mm |
| Weight (Machine / Table)   | 360 kg / 110 kg | 230kg / 65kg         | 270kg / 135kg        | 185kg / 65kg   |
| Travel                     | X, Y, Z axis    | 227.5*125*131mm      | 227.5*125*131mm      | 245*116*130mm  |
|                            | A axis / B axis | 360° / +40° ~ -31.5° | 360° / +40° ~ -31.5° | 360° / ±30°    |
| 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               | ◎ | ◎ | ◎ | ◎ |



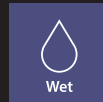
| 4X-450         | 5X-400            | 5X-300 Pro     | 5X-300D        |
|----------------|-------------------|----------------|----------------|
| 4 Axis         | 5 Axis            | 5 Axis         | 5 Axis         |
| Wet            | Wet and Dry       | Wet and Dry    | Dry            |
| 50,000         | 80,000            | 80,000         | 60,000         |
| AC 1.8kw       | AC 0.5kw          | AC 0.5kw       | AC 0.5kw       |
| 6              | 10                | 12             | 12             |
| Ø6             | Ø4                | Ø4             | Ø4             |
| Stepping       | Stepping          | Stepping       | Stepping       |
| Ball Screw     | Ball Screw        | Ball Screw     | Ball Screw     |
| Linear Guide   | Linear Guide      | Linear Guide   | Linear Guide   |
| 791*791*1657mm | 568*643*1616mm    | 568*641*1583mm | 568*641*645mm  |
| 185kg / 65kg   | 100kg / 65kg      | 90kg / 65kg    | 90kg / -       |
| 241*116*130mm  | 146*122.3*106.5mm | 167*119.8*94mm | 167*119.8*94mm |
| 360° / -       | ±35.2° / 360°     | ±30° / 360°    | ±30° / 360°    |
| -              | O type            | C type         | C type         |
| -              | -                 | -              | -              |
| -              | -                 | -              | -              |
| ◎ (10ea)       | ○ (2ea)           | X              | X              |
| X              | X                 | X              | X              |
| X              | X                 | X              | X              |
| X              | ◎                 | ◎              | X              |
| X              | ◎                 | ◎              | ◎              |
| X              | ◎                 | ◎              | ◎              |
| X              | ◎                 | ◎              | ◎              |
| X              | ◎                 | ◎              | ◎              |
| X              | ◎                 | ◎              | ◎              |
| X              | X                 | X              | X              |
| X              | X                 | X              | X              |
| ◎              | ○                 | X              | X              |
| X              | ◎                 | ◎              | ◎              |
| X              | ◎                 | ◎              | ◎              |
| X              | ◎                 | ◎              | ◎              |
| X              | ◎                 | ◎              | ◎              |
| X              | ◎                 | ◎              | ◎              |
| X              | ◎                 | ◎              | ◎              |
| X              | ◎                 | ◎              | ◎              |
| X              | ○                 | ◎              | ◎              |

\* Les produits sont susceptibles d'être modifiés sans préavis pour améliorer la qualité, la fonction, la conception ou autre.

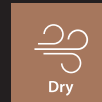
◎: High Compatibility / ○: Compatibility / X: Non-Compatibility

# ARUM 5X-200

DC  
3.0kw



Wet



Dry



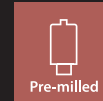
All Disk



Connectorless



CAD Block



Pre-milled



5Axis

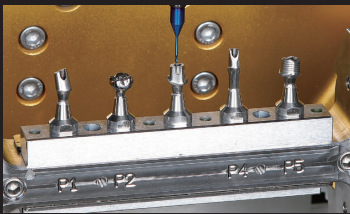
Vendeur actif depuis des années



Mise en place d'une stratégie européenne d'usinage

pour plus de 800 connexions d'implants.

Fraisage de piliers sans connecteur



Usinage de matériaux durs et souples

Inclus: CoCr, Titanium, Inox, Verre-céramique, Zirconie, PMMA etc.



Progrès continu de l'équipe R&D Européenne

Développement d'une nouvelle structure d'usinage pour une facilité d'utilisation maximale.



Châssis de machine robuste pour une qualité incomparable

Machine pesant 405 kgs avec cadre en aluminium moulé.

Plus grande puissance de broche

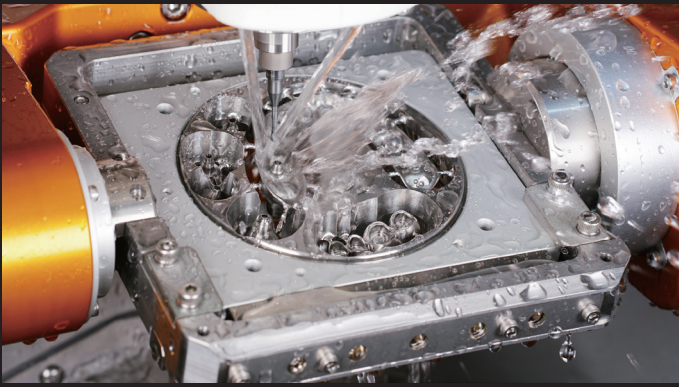
5 axes

Usinage simultané, y compris les contre-dépouilles.

## Informations sur les matériaux et les applications

| 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



### La référence en matière d'usinage des métaux

Cette machine n'a rien à envier aux autres fraiseuses à métaux. Vous pouvez fraiser différentes formes telles que le bridge à barre d'implant, le bridge à vis et l'armature partielle en utilisant différents matériaux, tels que le Co-Cr, le titane et le Ni-Cr, etc.

Grâce à une capacité inégalée de fraisage des métaux et à un vaste savoir-faire accumulé au fil des années, l'excellence de nos produits a fait ses preuves sur le marché mondial.

### Facilité de remplacement du matériel

Grâce au remplacement facile de la cartouche de disque, vous serez en mesure de remplacer le disque rapidement et facilement et ce, afin d'utiliser les matériaux de manière économique.

## Spécifications

|                 |             |                          |                |                 |
|-----------------|-------------|--------------------------|----------------|-----------------|
| Axis            | 5 Axis      | Drive Mechanism          | Ball Screw     |                 |
| Processing      | Wet and Dry | Way System               | Linear Guide   |                 |
| Spindle Power   | AC 3.0kw    | Machine Size (W*D*H)     | 815*949*941mm  |                 |
| Max. RPM        | 60,000      | Total Size (W*D*H)       | 815*949*1755mm |                 |
| A.T.C           | 15          | Weight (Machine / Table) | 270kg / 135kg  |                 |
| Tool Shank (mm) | Ø6          | Travel                   | X,Y,Z axis     | 325*142.5*144mm |
| Motor           | Servo       |                          | A / B axis     | 360° / ±30°     |

## Liste des outils

| Material                     | Code         | Ø            | Size             | Material       | Code         | Ø           | Size             |             |
|------------------------------|--------------|--------------|------------------|----------------|--------------|-------------|------------------|-------------|
| Zirconia                     | ZB-05        | 2.0          | D2.0*L20*55      | Glass ceramic  | DG-21        | 1.0         | D1.0*L10*50      |             |
|                              | ZB-06        | 1.0          | D1.0*L14*53      |                | DG-22        | 0.6         | D0.6*L08*50      |             |
|                              | ZB-07        | 0.6          | D0.6*L08*50      |                | DG-37        | 2.5         | D2.5*L12*50      |             |
| ZB-78                        | 0.3          | D0.3*L1.5*50 | DG-38            |                | 1.5          | D1.5*L10*50 |                  |             |
| Metal (Premilled Blank/Disk) | MB-09        | 3.0          | D3.0*L12*50      |                | PMMA(Long)   | PB-88       | 3.0              | D3.0*L20*55 |
|                              | MB-10        | 2.0          | D2.0*L12*50      | PB-89          |              | 2.0         | D2.0*L20*55      |             |
|                              | MB-11        | 1.5          | D1.5*L10*50      | PB-90          |              | 1.5         | D1.5*L18*58      |             |
|                              | MB-12        | 1.0          | D1.0*L10*50      | PB-91          |              | 1.0         | D1.0*L13*55      |             |
| Metal(Disk)                  | MB-14        | 0.6          | D0.6*L03*50      | PB-92          |              | 0.6         | D0.6*L10*55      |             |
| Metal (Reamer)               | MR-01        | 3.5          | D3.5*L18*55*180° | PMMA(Denture)  | PB-93        | 4.5         | D4.5*L25*60      |             |
|                              | MR-02        | 2.6          | D2.6*L18*55*180° | PMMA(Lollipop) | PB-94        | 3.0         | D3.0*L15*60      |             |
|                              | MR-05        | 2.3          | D2.3*L18*55*120° | T-cutter       | TC-82        | 2.0         | D2.0*L08*50      |             |
|                              | MR-06        | 2.3          | D2.3*L18*55*90°  |                | TC-83        | 1.8         | D1.8*L08*50      |             |
|                              | MR-07        | 2.3          | D2.3*L18*55*30°  |                | TC-84        | 1.5         | D1.5*L08*50      |             |
|                              | MR-09        | 2.4          | D2.4*L18*55*70°  |                | TC-97        | 2.3         | D2.3*L07*50      |             |
|                              | MR-10        | 2.6          | D2.6*L18*55*30°  |                | Flat endmill | MF-15       | 2.0              | D2.0*L18*55 |
|                              | MR-11        | 2.4          | D2.4*L18*55*140° | MF-45          |              | 1.5         | D1.5*L07*50      |             |
|                              | MR-12        | 2.6          | D2.6*L18*55*90°  | MF-71          |              | 0.6         | D0.6*L05*50      |             |
|                              | MR-13        | 2.7          | D2.7*L18*55*70°  | Bullnose mill  | MFR-44       | 1.5         | D1.5*L05*R0.1*50 |             |
|                              | MR-14        | 2.3          | D2.3*L18*55*70°  |                | MFR-66       | 1.5         | D1.5*L14*R0.2*50 |             |
|                              | MR-15        | 2.3          | D2.3*L18*55*180° |                | MFR-43       | 2.0         | D2.0*L18*R0.2*55 |             |
|                              | MR-16        | 2.4          | D2.4*L18*55*90°  | Thread         | TH-69        | M2.0*P0.4   | M2.0*P0.4        |             |
|                              | Metal(Drill) | MD-18        | 1.5              |                | D1.5*L14*50  | TH-70       | M1.4*P0.3        | M1.4*P0.3   |
|                              |              | MD-19        | 2.0              |                | D2.0*L18*55  | TH-95       | M1.8*P0.35       | M1.8*P0.35  |
| MD-73                        |              | 1.1          | D1.1*L05*50      |                | TH-99        | M1.6*P0.35  | M1.6*P0.35       |             |
| Zirconia (Long)              | ZB-85        | 2.0          | D2.0*L25*60      |                |              |             |                  |             |
|                              | ZB-86        | 1.0          | D1.0*L20*60      |                |              |             |                  |             |
|                              | ZB-87        | 0.6          | D0.6*L10*60      |                |              |             |                  |             |

# NOUS ALLIONS L'EXPÉRIENCE À LA PERFECTION

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