

# USINAGE DE MÉTAUX SOLIDES AVEC LA PLUS GRANDE GAMME DE SYSTÈMES D'IMPLANTS



Fraiseuse stable et durable  
pour un usinage de haute qualité.



## ARUM série 5X-500



**ARUM**



# Détail des usineuses ARUM



| 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 3.6kw        | AC 3.6kw             | 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      | 325*142.5*144mm |
|                            | 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                | ◎        | ◎        | ◎       | ◎       |

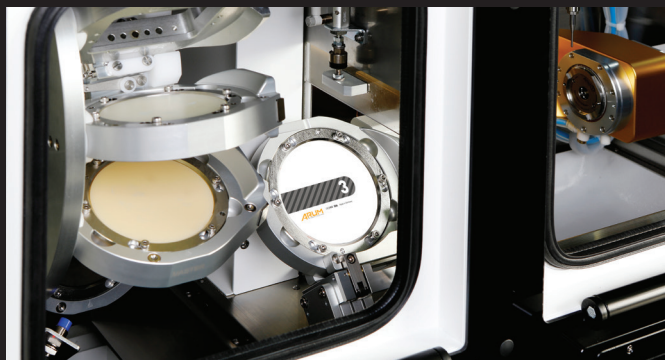
| Applications          |   |   |   |   |
|-----------------------|---|---|---|---|
| Implant Bar           | ◎ | ◎ | ◎ | ◎ |
| Screw-Retained Bridge | ◎ | ◎ | ◎ | ◎ |
| Customized Abutment   | ◎ | ◎ | ◎ | ◎ |
| Hybrid Abutment       | ◎ | ◎ | ◎ | ◎ |
| Inlay & Onlay         | ◎ | ◎ | ◎ | ◎ |
| Crown & 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 0.67kw      | 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              | ◎                 | ◎              | ◎              |
| 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



### Performances d'usinage exceptionnelles

5X-500L est un modèle comprenant une partie chargeur avec lequel vous pourrez réaliser un usinage intelligent 24 heures sur 24 avec le remplacement automatique de 12 supports disque. Vous pouvez usiner de manière précise et stable, même en cas de remplacement répété des supports disque, et gérer efficacement le temps de production.



### Usinage avec un maximum d'efficacité

Possibilité d'usiner une grande variété de matériaux avec un seul réglage. (un espace de stockage pour 12 supports disque, 12 disques, 72 pre-milled, 72 blocs Cad), vous permettant de gérer efficacement le temps et les coûts d'usinage.

## Spécifications

|                 |             |                          |                 |
|-----------------|-------------|--------------------------|-----------------|
| Axis            | 5 Axis      | Way System               | Linear Guide    |
| Processing      | Wet and Dry | Machine Size (W*D*H)     | 1078*921*889mm  |
| Spindle Power   | AC 3.6kw    | Total Size (W*D*H)       | 1078*921*1713mm |
| Max. RPM        | 60,000      | Weight (Machine / Table) | 360kg / 110kg   |
| A.T.C           | 20          | Travel                   | X,Y,Z axis      |
| Tool Shank (mm) | Ø6          |                          | A / B axis      |
| Motor           | Servo       | Number of Jig            | 12              |
| Drive Mechanism | Ball Screw  | Jig exchange             | Auto            |

## 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<br>(Premilled<br>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<br>(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°  | Bullnosemill   | 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        |
|                                    | 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<br>(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      |                |        |            |                  |

# ARUM 5X-500L

12  
Magazine



Wet



Dry



C-Clamp



Auto Calibration



Zero



Loader

20  
Tool



Occlusal



Cuff



All Disk



CAD Block



Pre-milled



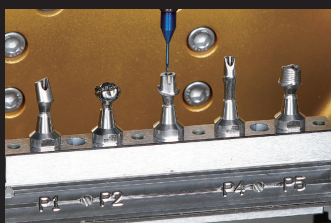
Paramètre de la stratégie européenne de fraisage

Pour plus de 800 connexions d'implants.

Modifié pour maximiser la production

Espace compartiment pour 12 supports disque, 12 disques, 72 pre-milled, 72 blocs cad.

Fraisage de pilier sans embout + Attachement

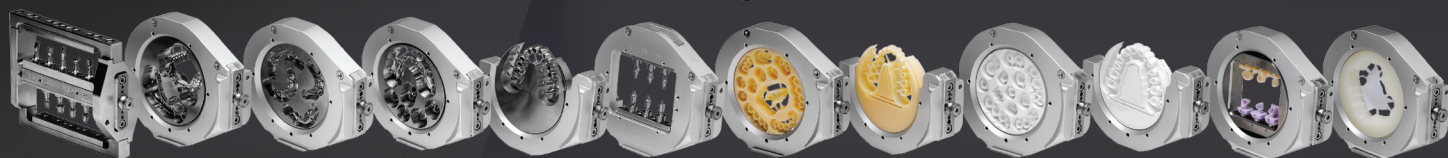


Autre

Cadre solide, stabilité du fraisage, haute qualité du résultat, vibrations minimales.

Plusieurs types de supports disque disponibles

Fonctionnement 24h/24  
Production non-stop



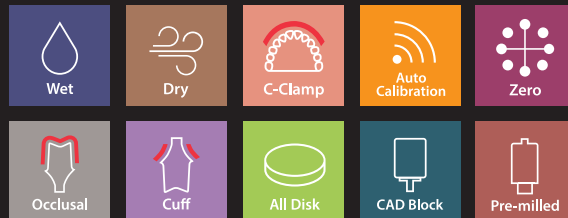
## Informations sur les matériaux et les applications

| Materials          |               | Applications                           |   |
|--------------------|---------------|----------------------------------------|---|
| Pre-milled Blank   | ◎ (over 10ea) | 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

# ARUM 5X-500

20  
Tool



Système ouvert

Control PC intégré

Accès facile au teamviewer pour accroître l'efficacité.

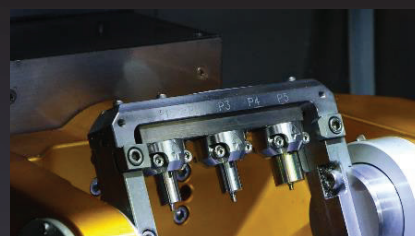
Usinage des matériaux durs et mous

Y compris le CoCr, le titane, l'acier inoxydable, le verre céramique, la zircone, le PMMA et plus encore.



Préfrisage Straumann  
Original Disponible

Straumann PMAB titulaire.



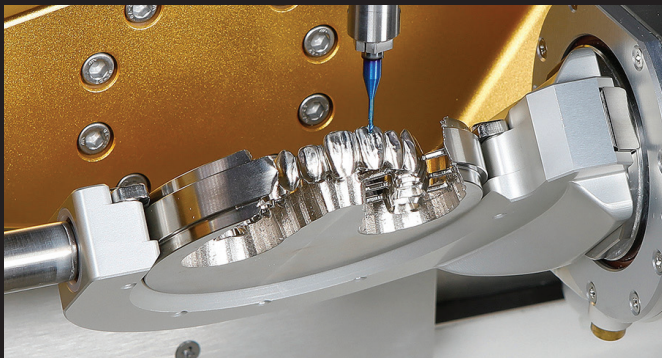
5-Axis

Simultaneous machining  
including undercuts.

## Informations sur les matériaux et les applications

| Materials          |          | Applications                           |   |
|--------------------|----------|----------------------------------------|---|
| Pre-milled Blank   | ◎ (10ea) | 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



### Excellente précision et durabilité

Avec le système Point ZERO, vous obtiendrez une excellente précision du point d'origine malgré un remplacement répété du support disque, vous permettant d'usiner des formes complexes de manière stable. Le servomoteur avec codeur absolu intégré et support auxiliaire compense même les vibrations les plus fines.



### Usinage de face labiale

Avec le support disque de type C ouvert, vous pouvez minimiser le temps passé à l'usinage de précision et au post-usinage de la texture et de la zone de contre-dépouille du côté labial (ou buccal).

## Spécifications

|                 |             |                          |                                 |
|-----------------|-------------|--------------------------|---------------------------------|
| Axis            | 5 Axis      | Drive Mechanism          | Ball Screw                      |
| Processing      | Wet and Dry | Way System               | Linear Guide                    |
| Spindle Power   | AC 3.6kw    | Machine Size (W*D*H)     | 689*918*839mm                   |
| Max. RPM        | 60,000      | Total Size (W*D*H)       | 689*918*1706mm                  |
| A.T.C           | 20          | Weight (Machine / Table) | 230kg / 65kg                    |
| Tool Shank (mm) | Ø6          | Travel                   | X,Y,Z axis 227.5*125*131mm      |
| Motor           | Servo       |                          | A / B axis 360° / +40° ~ -31.5° |

## 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<br>(Premilled<br>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<br>(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°  | Bullnosemill   | 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 |
| Metal(Drill)                       | MR-16 | 2.4 | D2.4*L18*55*90°  | Thread         | TH-69  | M2.0*P0.4  | M2.0*P0.4        |
|                                    | 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<br>(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

## NOUS CONTACTER

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