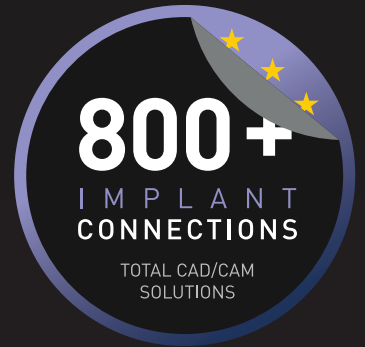


# SOLIDE METALLBEARBEITUNG MIT DER GRÖßTEN VERFÜGBAREN IMPLANTAT SORTIMENT AUSWAHL



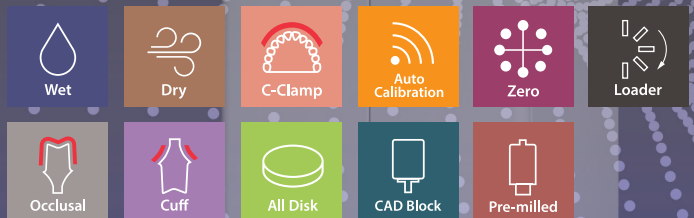
Stabile und langlebige Fräsanlage  
für eine hochwertige und präzise Bearbeitung.



## ARUM 5X-500 serie



ARUM



# ARUM Fräsmaschinen Sortiment



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 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

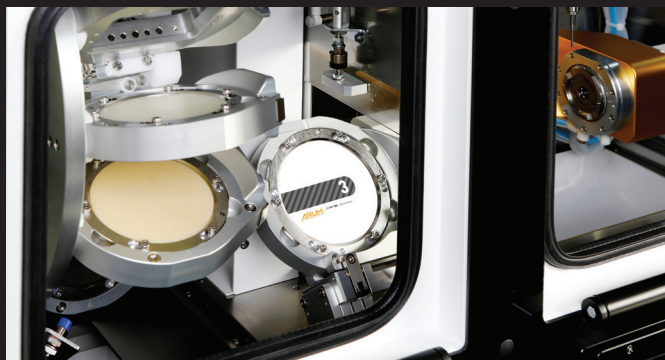
|                       |   |   |   |   |
|-----------------------|---|---|---|---|
| Implant Bar           | ◎ | ◎ | ◎ | ◎ |
| Screw-Retained Bridge | ◎ | ◎ | ◎ | ◎ |
| Customized Abutment   | ◎ | ◎ | ◎ | ◎ |
| Hybrid Abutment       | ◎ | ◎ | ◎ | ◎ |
| Inlay & Onlay         | ◎ | ◎ | ◎ | ◎ |
| Crown & 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 0.5kw       | 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              | ○                 | ◎              | ◎              |

\* Die Produkte können ohne Vorankündigung geändert werden, um somit die Qualität, Funktion, Design oder anderes zu verbessern.

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



### Hervorragende Bearbeitungsleistung

5X-500L Modell erhält eine Schnittstelle mit einem Blankwechslersystem, welches Ihnen eine 24 stündige Barbeitung mit voll automatischem Austausch von 12 verschiedenen Aufnahmevorrichtungen ermöglicht. Sie können auch bei wiederholtem Blankwechsel präzise und stabil fertigen und somit Ihre Produktionszeit effizienter verwalten.

### Bearbeitung mit Maximaler Effizienz

Sie können eine Vielzahl von verschiedenen Materialien mit einer einzigen Einstellung bearbeiten. (das Magazin kann 12 verschiedene Haltvorrichtungen beherbergen, somit sind 12 Disks, 72 Premill, 72 CAD-Blöcke in der Bearbeitung möglich), was eine kosteneffizient Bearbeitungszeit gewährleistet.

## Technische Daten

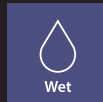
|                 |             |                          |                 |                      |
|-----------------|-------------|--------------------------|-----------------|----------------------|
| Axis            | 5 Axis      | Way System               | Linear Guide    |                      |
| 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      | 227.5*125*131mm      |
| Tool Shank (mm) | Ø6          |                          | A / B axis      | 360° / +40° ~ -31.5° |
| Motor           | Servo       | Number of Jig            | 12              |                      |
| Drive Mechanism | Ball Screw  | Jig exchange             | Auto            |                      |

## Werkzeugliste

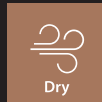
| Material                     | Code  | Ø               | Size             | Material       | Code       | Ø           | Size             |
|------------------------------|-------|-----------------|------------------|----------------|------------|-------------|------------------|
| Zirconia                     | 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°  | 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 (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



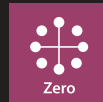
Dry



C-Clamp



Auto Calibration

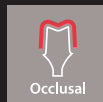


Zero

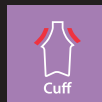


Loader

20  
Tool



Occlusal



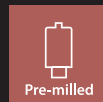
Cuff



All Disk



CAD Block



Pre-milled



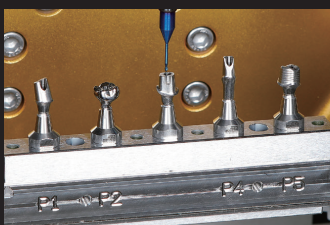
## Europäische Frässtrategie Einstellung

Für mehr als 800 Implantat  
Verbindungen.

## Modifiziert, um die Produktion zu optimieren

Magazinwechsler für 12 verschiedene  
Aufnahmevorrichtungen, (12 Blanks, 72  
vorgefräste Rohlinge/Premills, 72 Cad-Blöcke  
sind möglich)

## Konnektorloses Fräsen von Abutments + Attachment



## Sonstiges

Führende Stabilität und Minimierung der Vibrationen  
beim Fräsen führt zu hoher Qualität des Ergebnisses.

## Verschiedene Arten von Vorrichtungen verfügbar



24-Stunden-Betrieb  
Produktion ohne Unterbrechung



## Informationen zu Materialien und Anwendungen

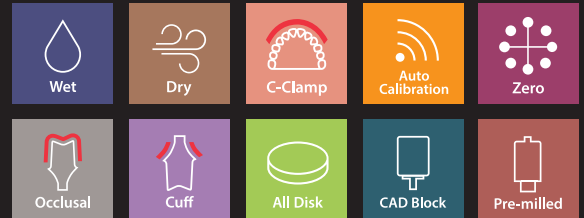
| Materials          |               | Applications                           |   |
|--------------------|---------------|----------------------------------------|---|
| Pre-milled Blank   | ◎ (over 10ea) | Implant Bar                            | ◎ |
| Co-Cr & Ni-Cr Disk | ○             | Screw-Retained 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



Offenes System

Integrierter Steuerungs-PC

Einfacher Zugriff über Teamviewer zur Steigerung der Effizienz.

Bearbeitung harter und weicher Materialien

Einschließlich CoCr, Titan, Edelstahl, Glaskeramik, Zirkoniumdioxid, PMMA und mehr.



Verfügbar sind auch original Straumann Premills

Straumann PMAB Halter.



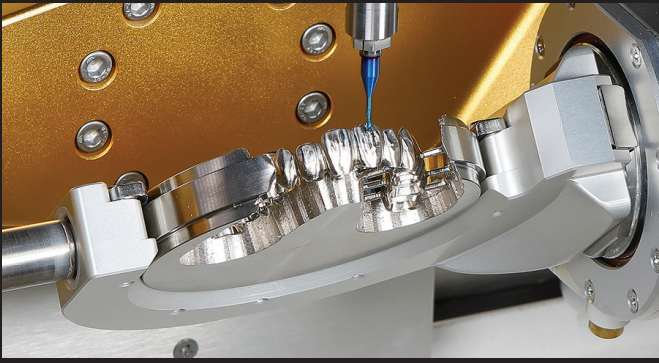
5-Achsen

Simultane Bearbeitung einschließlich Unterschnittsbereiche.

## Informationen zu Materialien und Anwendungen

| 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



### Ausgezeichnete Präzision und Langlebigkeit

Mit dem Nullpunktsystem erreichen Sie trotz wiederholtem Vorrichtungswechsel eine exzellente Ursprungspunktgenauigkeit, die es Ihnen ermöglicht, auch komplexe Designstrukturen sicher zu bearbeiten. Der Servomotor mit eingebautem Absolutwertgeber und Support kompensiert selbst feine Schwingungen.



### Bearbeitung der Labialseite / Interdental

Mit der offenen C-Vorrichtung können Sie den Zeitaufwand für die Präzisionsbearbeitung und die Nachbearbeitung der labialen (oder bukkalen) anatomischen Details und Unterschnitte gezielt minimieren.

## Technische Daten

|                 |             |                          |                |                      |
|-----------------|-------------|--------------------------|----------------|----------------------|
| 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° |

## Werkzeugliste

| 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°  | 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 (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      |                |            |             |                  |

WIR TEILEN DIE ERFAHRUNG  
mit  
PERFEKTION

KONTAKTIEREN SIE UNS

---

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