



# HIGH-VOLUME SAMPLE PREPARATION



metkon  
Technology behind Specimen

← GENI

Device Base 100 disk  
Device Head 100 disk  
Klavir 10 mm

2	3	4
100	100	80

Consumables  
Magneto 75 mlc

Program No 2 Adm No 2 Zaman 19:00

LOX 102

EMERGENCY  
STOP

# METKON HIGH-VOLUME SAMPLE PREPARATION SOLUTIONS

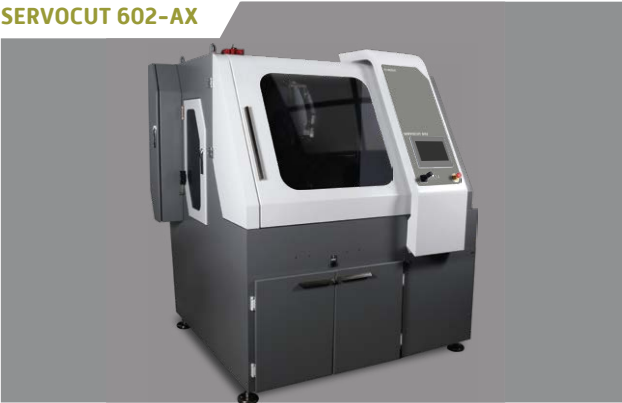
## HIGH-VOLUME SAMPLE PREPARATION SYSTEMS

High-Volume Sample Preparation requires robust, high-capacity and highly automated equipment to perform high sample throughput with minimum operator intervention. Without automated or high-capacity equipment, a lot of workforce and extra time required to obtain high sample throughput levels. Repeatability is also another problem for non-automated sample preparation equipment.

Metkon offers total solutions for both High-Volume Cutting and High-Volume Grinding & Polishing to obtain high sample throughput with maximum repeatability, maximum automation and minimum operator intervention.

### HIGH-VOLUME CUTTING SYSTEMS

SERVOCUT 602-AX



Extremely Large Size

Cutting capacity Ø225 mm with cut-off wheel dia. of 500/600 mm

SERVOCUT 602-AX-R



Extremely Large Size

Cutting capacity Ø225 mm with cut-off wheel dia. of 500/600 mm

### HIGH-VOLUME GRINDING & POLISHING SYSTEMS

FORCIPLAN 352



Semi-Automated System Combination Ø210 (10xØ40mm)

FORCIPOL 352



Semi-Automated System Combination Ø210 (10xØ40mm)

VELOX 102-JR



Fully-Automated System Ø160 (6xØ40mm)

VELOX 102



Fully-Automated System Ø160 (6xØ40mm)



**SERVO CUT 602-AX**  
Multi-Target Cutting-Ø600



**SERVO CUT 602-AX-R**  
4-Axes Multi-Target Cutting-Ø600

# BENEFITS



## HIGHEST SAMPLE THROUGHPUT

SERVO CUT 602 provides the higher sample throughput than any other metallographic cutting machines



## MINIMUM OPERATOR INTERVENTION

Minimum operator intervention required while cutting one or multiple samples.



## MAXIMUM CUTTING AUTOMATION

All cutting process is automated with Multi-Target Cutting feature or 4-axis Rotary Table.



## HIGHEST CUTTING SPEED

SERVO CUT 602 has extremely powerful motor to cut the largest and the hardest specimens in shortest time possible.



## OPTIMIZED CUTTING PROCESS

SERVO CUT 602 series has many advanced cutting methods and features that adapt any types of samples. No further experience or training required to operate equipment.



## READY FOR 24/7 OPERATION!

SERVO CUT 602 is designed for heavy-duty applications with minimum maintenance requirement.



**FORCIPLAN 352**  
Ø350

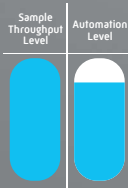


Ø210 [10xØ40mm]

**FORCIPOL 352**  
Ø300-Ø350



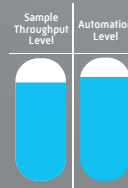
Ø210 [10xØ40mm]



**VELOX 102-JR**  
Ø250



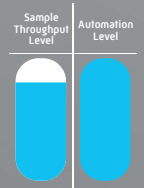
Ø160 [6xØ40mm]



**VELOX 102**  
Ø250



Ø160 [6xØ40mm]



# BENEFITS



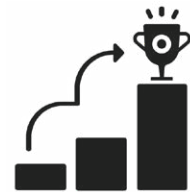
## HIGHEST SAMPLE THROUGHPUT

Up to 2X more samples can be prepared per shift with Metkon High-Volume Grinding & Polishing Systems



## OPERATOR-FREE SAMPLE PREPARATION

Metkon High-Volume Grinding & Polishing Systems are highly automated systems. Thus, minimum operator intervention required while preparing samples.



## INCREASED EFFICIENCY

Metkon High-Volume Grinding & Polishing Systems are aimed to increase operator efficiency in consecutive sample preparations throughout the entire shift.



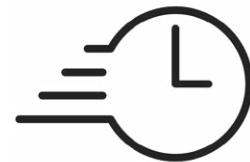
## REPEATABLE RESULTS

The automation eliminates the operator errors and increases repeatability.



## COST EFFECTIVE

Metkon High-Volume Grinding & Polishing Systems reduces total sample preparation time, labor cost and optimize consumable consumption to provide cost effective sample preparation.



## READY FOR 24/7 OPERATION!

Metkon High-Volume Grinding & Polishing Systems are designed for heavy-duty applications with minimum maintenance requirement.





metken®

QUALITY CARE  
EXPERIENCE

metken  
Technology behind Precision

FORCIPLAN 352

EMERGENCY

# HIGH CAPACITY PLANAR GRINDING MACHINE



# HIGH-VOLUME GRINDING & POLISHING STATION

