

TECHNICAL DATA**TargetSystem**

System accuracy ± 5 µm at 20°C / 68°F ± 2°C / 4°F.

TargetMaster micropolisher

Diameter 200 mm / 8"
 Speed, turntable 40 - 300 rpm in steps of 10 rpm
 Speed, specimen holder 20 - 150 rpm in steps of 10 rpm
 Force 10 - 75 N in steps of 5 N
 Rotational direction CW / CCW
 Motor power 250 W / 0.33 HP

Software and electronics

Controls Touch pads
 Memory FLASH-ROM / RAM / NV-RAM
 LC display 240 x 128 dots with back light

Noise levels

During preparation 54 dB (A)
 During cleaning 72 dB (A)

Working environment

Temperature 5-40°C / 41-104°F.
 Humidity 35-50% RH

Supply

Voltage / frequency 200-240 V / 50-60 Hz
 Power inlet 1-phase (N+L1+PE) or 2-phase (L1+L2+PE)
 The electrical installation must comply with "Installation Category II".

Power, nominal load 700 W
 Power, idle 16 W
 Current, nom. 3.5 A
 Current, max. 6.9 A
 Pressure for tap water 1-10 bar / 14.5-145 psi
 Water inlet 1/2" or 3/4"
 Water outlet 32 mm / 1 1/4" dia.
 Compressed air supply 6 mm / 1/4" dia.
 Compressed air pressure 6-10 bar / 87-145 psi
 Compressed air quality In compliance with ISO 8573-1, 5.6.4
 Air extraction 32 mm / 1 1/4" dia.
 Air extraction, min. airflow 30 m³ / 1059 ft³ per hour

Dimensions and weight

Width 820 mm / 32.3"
 Depth 860 mm / 33.9"
 Height 595 mm / 23.4"
 Weight 115 kg / 253.5 lbs

TargetGrip tiltable specimen holder

Specimen sizes 40 mm dia. (05756901) or 30 mm dia. (05756916)
 Cross-sectioning 40 mm dia. Sample chair, adapter for cross-sectioning (05756908), max sample size 29 x 20.5 mm
 30 mm dia. Sample chair, adapter for cross-sectioning (05756914), max sample size 23 x 20.5 mm
 Parallel polishing Parallel Holder 40 mm dia, adapter for parallel polishing (05756910), max sample size 19 x 18 mm
 Parallel Holder 30 mm dia, adapter for parallel polishing (05756920), max sample size 15 x 9 mm
 Tilt range ± 5 degrees
 Specimen holder dia. 58 mm
 Weight 0.58 kg / 1.27 lb

TargetDoser automatic dosing station

Capacity 4 pumps for suspension/lubricant,
 1 pump for OP-suspension,
 1 pump for soap,
 1 pump for alcohol

Dosing Levels

Suspensions 0.2-4.0 ml in 20 steps
 All-in-one suspensions 0.2-12.0 ml in 20 steps
 Lubricants 0.2-12.0 ml in 20 steps
 OP-Suspensions 20.0-90.0 ml in 20 steps

Software and electronics

Controls Touch pads
 Memory FLASH-ROM / RAM / NV-RAM
 LC display 240x128 dots with back light

Working environment

Temperature 5-40°C / 41-104°F.
 Humidity 35-50% RH

Supply

Voltage 24 V DC, 1 A supplied from TargetMaster

Dimensions and weight

Width 200 mm / 8"
 Depth excl. bottle tray 210 mm / 8.3"
 Depth incl. bottle tray 550 mm / 21.7"
 Height 380 mm / 15"
 Weight excl. bottle tray 8.5 kg / 18.7 lbs
 Weight incl. bottle tray 10.0 kg / 22.0 lbs

TargetX set-up station for hidden (internal) targets*Software and electronics*

Controls Touch pads
 Memory FLASH-ROM / RAM / NV-RAM

Working environment

Temperature 5-40°C / 41-104°F.
 Humidity 35-50% RH

Supply

Voltage / frequency 200-240V / 50-60 Hz
 Power inlet 1-phase (N+L1+PE) or 2-phase (L1+L2+PE)
 The electrical installation must comply with "Installation Category II".

Power, nominal load 50 W
 Power, idle 10 W
 Current, nom. 0.25 A
 Current, max. 1.0 A

Dimensions and weight

Width 705 mm / 27.7"
 Depth 385 mm / 15.1"
 Height 285 mm / 11.2"
 Weight 13 kg / 28.6 lbs

TECHNICAL DATA**TargetZ set-up station for visible (external) targets***Software and electronics*

Controls Touch pads
 Video display 15" TFT monitor

Working environment

Temperature 5-40°C / 41-104°F.
 Humidity 35-50% RH

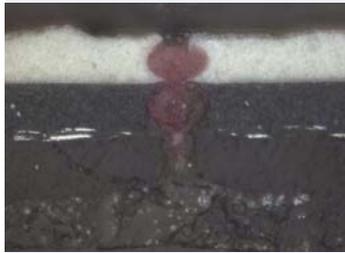
Supply

Voltage 24 V DC, 1 A supplied from TargetMaster
 Video monitor 200-240V / 50-60 Hz

Dimensions and weight

Width 235 mm / 9.3"
 Depth 315 mm / 12.4"
 Height 205 mm / 8.1"
 Weight 15 kg / 33 lbs

Struers' equipment is in conformity with the provisions of the applicable International Directives and their appurtenant Standards. (Please contact you local supplier for details)



*Coated sheet metal,
 zinc layer gas bubbles.
 Diameter ca 20 µm*

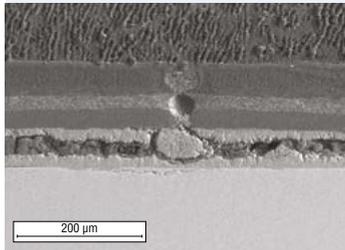
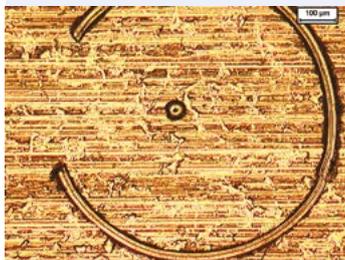
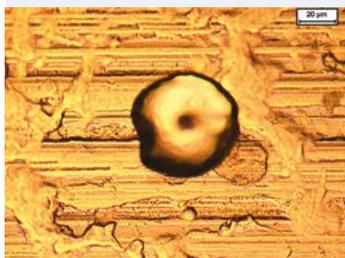


Photo courtesy: Volkswagen AG, Germany



*Chromium PVD layer on steel,
 possible corrosion site, 50 x*



Same as above, 500 x

Photo courtesy: Corus Group, Netherlands

SPECIFICATIONS**Cat.no.****TargetMaster**

200 mm micropolisher for automatic target preparation.
 Tilttable holder for 30 mm specimens (05756916) and
 200 mm MD-Disc (02426920) included.
 Dosing system (05756904) is ordered separately.

05756128

TargetGrip

Tilttable specimen holder for 40 mm dia. specimens.
 Tilttable specimen holder for 30 mm dia. specimens.

05756901
05756916**TargetDoser**

Automatic dosing system for supply and storage of
 process liquids and preparation methods.
 With 6 pumps for suspension/lubricant, 1 pump for
 OP-suspension.

05756904

TargetX

Set-up station for internal (hidden) targets.
 For use with x-ray not included with TargetX.

05756923

TargetZ

Set-up station for external (visible) targets.
 With 15" TFT video monitor.

05756922

Sample chair

40 mm Adapter for cross-sectioning (disposable).
 Max specimen size 29 x 20.5 mm. 50 pcs.

05756908

30 mm Adapter for cross-sectioning (disposable).
 Max specimen size 23 x 20.5 mm. 50 pcs.

05756914

Sample Chair holder for CitoVac

For easy handling of Sample Chairs.
 For 6 x 30 mm and 5 x 40 mm Sample Chairs.

05926905

Parallel holder

40 mm dia. Adapter for parallel polishing (re-usable).
 Max specimen size 19 x 18 mm.

05756910

30 mm dia. Adapter for parallel polishing (re-usable).
 Max specimen size 15 x 9 mm.

05756920

SEM Adapter

Adapter ø40 mm to ø25 mm. Allows 25 mm/1" dia.
 specimens to be mounted in ø40 mm TargetGrip.
 Also used as removable SEM-fixture.

05756905

Resin barrier

Metal label for use with Sample chair (05756908 and
 05756914). 50 pcs.

05756907

Mould Insert 40 mm dia.

Mould insert for use with 40 mm dia. mounting cups.
 Max specimen size 35 x 20 mm. 50 pcs.

05756912

Measuring pin

For use with Parallel Holder. 10 pcs. with O-ring.
 Re-usable

05756915