

Unit 7, M11 Business Link
Parsonage Lane, Stansted
Essex, UK CM24 8GF
t: +44 (0)1279 215 506
e: sales@agarscientific.com
w: agarscientific.com

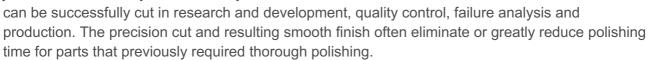
# WELL 3500 Precision Vertical Diamond Wire Saw

### AGB8500-KIT & AGB8500B-KIT

The WELL Precision Vertical Diamond Wire Saws produce smooth, sharp-edged surfaces on virtually any material. The 'cutting tool' is a stainless steel wire with diamonds embedded into the surface of the wire using a patented embedding process, ensures maximum cutting capability and long wire life. The wire is wound onto a drum mounted onto a precision reciprocating motor.

Although it may seem like a contradiction, the Saws produce a non-destructive, nondeforming cut and/or slice. This holds true for both homogeneous materials and for bonded materials of vastly different compositional properties.

Metals, plastics, quartz, glass, graphite and ceramics are just some of the many natural and synthetic materials that





- Metallography
- Geology
- Archeology and paleontology
- Criminology and forensics
- Biology
- Pathology
- Histology
- Anatomy and dentistry

### **Kit Options:**

**AGB8500-KIT** - Premium Kit WELL Vertical Diamond Wire Saw, 3500 **AGB8500B-KIT** - Base Kit WELL Vertical Diamond Wire Saw, 3500







Unit 7, M11 Business Link Parsonage Lane, Stansted Essex, UK CM24 8GF t: +44 (0)1279 215 506 e: sales@agarscientific.com w: agarscientific.com

## **Technical Specification**

**Design** Vertical

Cutting FeedGravity (±300g)Primary Voltage230V / 50-60Hz

Secondary Voltage 36Vdc Auxiliary Voltage 24Vdc

Electric motor36V DC - 8A - 200WPrimary fuse $\emptyset 5 \times 20 - 250 \ V - 2 \ A$ Secondary fuse $\emptyset 5 \times 20 - 250 \ V - 10 \ A$ 

WiFi Ready, WiFi B/G

Machine weight (without accessories) 13.8kg

Overall dimensions L x B x H ; 401 x 345 x 455mm

Machine control Tactile resistive screen, 600x480 pixels

Drum diameter83mmPulley diameter80mmCE CertificationCE

USB output 5V / 400mA

Possible wire diameter 0.10 - 0.30mm

Wire length 10m

Wire speed 0 - 2.5 m/s

Wire tension for 0.22 - 0.3mm 2kg
Wire tension for 0.10 - 0.17mm 1kg

Cleaning of Wire With cutting liquid diluted 5% or water

Max. Sample Weight 2500g

**Max. Sample Dimension**  $50 \times 50 \times 50 \text{ mm} - \emptyset 50 \text{mm}$ 

Warranty 12 months





Unit 7, M11 Business Link Parsonage Lane, Stansted Essex, UK CM24 8GF t: +44 (0)1279 215 506 e: sales@agarscientific.com

w: agarscientific.com

### WELL 3500 Precision Vertical Diamond Wire Saw kits:



### AGB8500B-KIT Base

- 1x WELL Vertical Diamond Wire Saw
- 1x Standard base support
- 1x Support sample holder
- 1x Sample holder support plate
- 1x Intermediate support
- 1x Aluminium plate for vertical vice
- 1x Standard Sample holder with 5 ceramic pads Ø 30mm
- ♦ 1x Drum with 10 meters of diamond wire
- ♦ 1x Cutting liquid concentrate 5% 500ml
- 1x Stainless steel bath
- 1x Toolbox
- 1x Soft Touch Pen
- ♦ 1x LED Lamp with Clip-on
- 1x Power Cable

### **AGB8500-KIT Premium**

- 1x WELL Vertical Diamond Wire Saw
- 1x Turntable with 5 ceramic pads Ø
   30mm
- 1x Micrometer table
- 1x Standard Sample holder with 5 ceramic pads Ø 30mm
- 1x Cross table
- 1x Drum with 10 meters of diamond wire
- 1x Toolbox
- 1x Cutting liquid concentrate 5% 500ml
- 1x Stainless steel bath
- ♦ 1x Soft Touch Pen
- 1x LED Lamp with Clip-on
- ♦ 1x Power Cable





w: agarscientific.com

Unit 7, M11 Business Link Parsonage Lane, Stansted Essex, UK CM24 8GF t: +44 (0)1279 215 506 e: sales@agarscientific.com

# **3000 Series Compatible Diamond Wire**

Diameter	Diamond Grit Size	Length
0.13mm	20µm	60m
0.13mm	20µm	120m
0.17mm	20µm	60m
0.17mm	20µm	120m
0.17mm	30µm	60m
0.17mm	30µm	120m
0.22mm	20µm	60m
0.22mm	20µm	120m
0.22mm	30µm	60m
0.22mm	30µm	120m
0.22mm	40µm	60m
0.22mm	40µm	120m
0.22mm	60µm	60m
0.22mm	60µm	120m
0.30mm	20µm	120m
0.30mm	30µm	120m
0.30mm	40µm	60m
0.30mm	40µm	120m
0.30mm	60µm	60m
0.30mm	60µm	120m

Please contact sales@agarscientific.com for a quote for the diamond wire that will be best suited to your application. Please include diameter, diamond grit size and length required. If you are unsure which diamond wire is required, we will be happy to help you.

