ISO 9001 Certified

XEBEC products are manufactured in a plant certified by ISO9001, the international standard of quality control and assurance.

XEBEC TECHNOLOGY CO.,LTD.

Designed to finish dies and molds.

Meister Finish®

- **Through the utilization of aerospace materials (alumina fiber filaments), breakage, cracking, and chipping have been eliminated. High polishing efficiency can be ensured.**
- **No clogging. Uniformly fine finishes can be achieved.**
- **Thanks to the braided structure of the rod type, high polishing efficiency is possible even with the side, of the tool, and there is no splitting of the tip.**
- **Suitable for fine deburring.**
- **Higher polishing efficiency can be achieved by using the Meister Finishi with tools (electric, air, ultrasonic)**
- **Coarse grit type made of thick Alumina Fiber Filaments is ideal for removing EDM scales. Only XEBEC can manufacture it.**

Innovative technology

Our engineers developed the world's first ceramic fiber stones with aerospace materials (alumina fiber filaments) that utilize highly advanced chemical technologies.

Features

- High polishing efficiency can be ensured by the crystal structure of the alumina fiber filaments, which is optimal for polishing.
- Polishing efficiency and strength have been improved by the two way linear structure, which prevents side-slipping.
- High accuracy of surfaces can be attained by the uniform fiber diameter.
- No dropping of abrasive grains that can create linear scratches.
- Little heat generation that minimizes a workpiece alteration and the tool deterioration.
- The tip of a tool can be shaped in accordance with the shape of a workpiece.

(Rod Type)

- Innovative, braided structure of alumina fiber filaments.
  *No breakage during high speed rotation. No splitting of the tip.
  *Thanks to the braided structure, the tip or side of the tool can polish.
- Even boss holes of Φ0.3mm can be polished by shaping the tip of rod type.
- Suitable for fine deburring and cross-hole deburring.

Usage

- Ideal for precise polishing of free surfaces, free curves, ribs, bosses, etc., of various forming molds (especially plastic mold).
- Excellent polishing performance for material under HRC57.
- High polishing efficiency can be achieved without clogging, even for metals such as aluminum, copper, gun metal, etc., which clogs with common abrasive stones.
- Can be used in narrow areas where common abrasive stones cannot be used because of breaking.
- Can be used on complex shapes where uniform finishing could not be previously attained.
- Efficient EDM scales removal.
- XEBEC utilizes 50μm alumina fiber filaments, the first in the industry. We developed the coarsest ceramic fiber stones (equivalent to #120) which have impressive efficiency with thick alumina fiber filaments.

Meister Finish Rod Type Structure

Innovative, braided structure of alumina fiber filaments

- No breakage during high speed rotation!!
- Thanks to the braided structure, the side of the tool can polish!
- Polishing performance increases substantially when high-speed polishing becomes with a hand grinder!

Applications

Precise polishing of ribs

Precise polishing of sub-gates

Higher polishing efficiency can be achieved by using the Meister Finish with tools (electric, air, ultrasonic).

For efficient use

Use the tip at an angle to the surface of a workpiece.

Polishing and deburring using the tip or side of the tool is possible, thanks to the braided structure of alumina fiber filaments.

Can be shaped the tip of a tool in accordance with the shape of a workpiece.

- Use the tip at an angle to the surface of a workpiece. Approximately 5~45 degrees is effective.
- Use with vibration tools (ultrasonic, air, electric etc.).
- Coolant will increase efficiency.

Stick Type

Dimensions (mm)	Red equivalent to #1200	White equivalent to #1000	Blue equivalent to #800	Black equivalent to #600	Orange equivalent to #400	Light Brown equivalent to #300	Dark Brown equivalent to #220	Violet equivalent to #120
0.3x4x100	AR-0304M	AW-0304M	AB-0304M	AP-0304M	AO-0304M	AL-0304M	AD-0304M	–
0.4x4x100	AR-0404M	AW-0404M	AB-0404M	AP-0404M	AO-0404M	AL-0404M	AD-0404M	–
0.5x4x100	AR-0504M	AW-0504M	AB-0504M	AP-0504M	AO-0504M	AL-0504M	AD-0504M	–
0.5x4x150	AR-0504L	AW-0504L	AB-0504L	AP-0504L	AO-0504L	AL-0504L	AD-0504L	–
0.5x6x100	AR-0506M	AW-0506M	AB-0506M	AP-0506M	AO-0506M	AL-0506M	AD-0506M	–
0.5x6x150	AR-0506L	AW-0506L	AB-0506L	AP-0506L	AO-0506L	AL-0506L	AD-0506L	–
0.5x10x100	AR-0510M	AW-0510M	AB-0510M	AP-0510M	AO-0510M	AL-0510M	AD-0510M	–
0.5x10x150	AR-0510L	AW-0510L	AB-0510L	AP-0510L	AO-0510L	AL-0510L	AD-0510L	–
0.8x4x100	AR-0804M	AW-0804M	AB-0804M	AP-0804M	AO-0804M	AL-0804M	AD-0804M	–
0.8x4x150	AR-0804L	AW-0804L	AB-0804L	AP-0804L	AO-0804L	AL-0804L	AD-0804L	–
0.8x6x100	AR-0806M	AW-0806M	AB-0806M	AP-0806M	AO-0806M	AL-0806M	AD-0806M	–
0.8x6x150	AR-0806L	AW-0806L	AB-0806L	AP-0806L	AO-0806L	AL-0806L	AD-0806L	–
0.8x10x100	AR-0810M	AW-0810M	AB-0810M	AP-0810M	AO-0810M	AL-0810M	AD-0810M	–
0.8x10x150	AR-0810L	AW-0810L	AB-0810L	AP-0810L	AO-0810L	AL-0810L	AD-0810L	–
1.0x1x100	AR-1001M	AW-1001M	AB-1001M	AP-1001M	AO-1001M	AL-1001M	AD-1001M	–
1.0x2x100	AR-1002M	AW-1002M	AB-1004M	AP-1002M	AO-1002M	AL-1002M	AD-1002M	AV-1002M
1.0x4x100	AR-1004M	AW-1004M	AB-1004M	AP-1004M	AO-1004M	AL-1004M	AD-1004M	AV-1004M
1.0x4x150	AR-1004L	AW-1004L	AB-1004L	AP-1004L	AO-1004L	AL-1004L	AD-1004L	AV-1004L
1.0x6x100	AR-1006M	AW-1006M	AB-1006M	AP-1006M	AO-1006M	AL-1006M	AD-1006M	AV-1006M
1.0x6x150	AR-1006L	AW-1006L	AB-1006L	AP-1006L	AO-1006L	AL-1006L	AD-1006L	AV-1006L
1.0x8x100	AR-1008M	AW-1008M	AB-1008M	AP-1008M	AO-1008M	AL-1008M	AD-1008M	AV-1008M
1.0x8x150	AR-1008L	AW-1008L	AB-1008L	AP-1008L	AO-1008L	AL-1008L	AD-1008L	AV-1008L
1.0x10x100	AR-1010M	AW-1010M	AB-1010M	AP-1010M	AO-1010M	AL-1010M	AD-1010M	AV-1010M
1.0x10x150	AR-1010L	AW-1010L	AB-1010L	AP-1010L	AO-1010L	AL-1010L	AD-1010L	AV-1010L
1.5x1.5x100	AR-15015M	AW-15015M	AB-15015M	AP-15015M	AO-15015M	AL-15015M	AD-15015M	–
1.5x4x100	AR-1504M	AW-1504M	AB-1504M	AP-1504M	AO-1504M	AL-1504M	AD-1504M	AV-1504M
1.5x4x150	AR-1504L	AW-1504L	AB-1504L	AP-1504L	AO-1504L	AL-1504L	AD-1504L	AV-1504L
1.5x6x100	AR-1506M	AW-1506M	AB-1506M	AP-1506M	AO-1506M	AL-1506M	AD-1506M	AV-1506M
1.5x6x150	AR-1506L	AW-1506L	AB-1506L	AP-1506L	AO-1506L	AL-1506L	AD-1506L	AV-1506L
1.5x10x100	AR-1510M	AW-1510M	AB-1510M	AP-1510M	AO-1510M	AL-1510M	AD-1510M	AV-1510M
1.5x10x150	AR-1510L	AW-1510L	AB-1510L	AP-1510L	AO-1510L	AL-1510L	AD-1510L	AV-1510L
2.0x2x100	AR-2002M	AW-2002M	AB-2002M	AP-2002M	AO-2002M	AL-2002M	AD-2002M	–
2.0x4x100	AR-2004M	AW-2004M	AB-2004M	AP-2004M	AO-2004M	AL-2004M	AD-2004M	AV-2004M
2.0x4x150	AR-2004L	AW-2004L	AB-2004L	AP-2004L	AO-2004L	AL-2004L	AD-2004L	AV-2004L
2.0x6x100	AR-2006M	AW-2006M	AB-2006M	AP-2006M	AO-2006M	AL-2006M	AD-2006M	AV-2006M
2.0x6x150	AR-2006L	AW-2006L	AB-2006L	AP-2006L	AO-2006L	AL-2006L	AD-2006L	AV-2006L
2.0x10x100	AR-2010M	AW-2010M	AB-2010M	AP-2010M	AO-2010M	AL-2010M	AD-2010M	AV-2010M
2.0x10x150	AR-2010L	AW-2010L	AB-2010L	AP-2010L	AO-2010L	AL-2010L	AD-2010L	AV-2010L
3.0x4x100	AR-3004M	AW-3004M	AB-3004M	AP-3004M	AO-3004M	AL-3004M	AD-3004M	AV-3004M
3.0x4x150	AR-3004L	AW-3004L	AB-3004L	AP-3004L	AO-3004L	AL-3004L	AD-3004L	AV-3004L
3.0x6x100	AR-3006M	AW-3006M	AB-3006M	AP-3006M	AO-3006M	AL-3006M	AD-3006M	AV-3006M
3.0x6x150	AR-3006L	AW-3006L	AB-3006L	AP-3006L	AO-3006L	AL-3006L	AD-3006L	AV-3006L
3.0x10x100	AR-3010M	AW-3010M	AB-3010M	AP-3010M	AO-3010M	AL-3010M	AD-3010M	AV-3010M
3.0x10x150	AR-3010L	AW-3010L	AB-3010L	AP-3010L	AO-3010L	AL-3010L	AD-3010L	AV-3010L

Rod Type

Dimensions (mm)	Red equivalent to #1200	White equivalent to #1000	Blue equivalent to #800	Black equivalent to #600	Orange equivalent to #400	Light Brown equivalent to #300	Gray equivalent to #220
Φ1 x 50	APR-10S	PW-10S	PB-10S	PP-10S	PO-10S	PL-10S	PM-10S
Φ1 x 100	PR-10M	PW-10M	PB-10M	PP-10M	PO-10M	PL-10M	PM-10M
Φ1.5 x 50	PR-15S	PW-15S	PB-15S	PP-15S	PO-15S	PL-15S	PM-15S
Φ1.5 x100	PR-15M	PW-15M	PB-15M	PP-15M	PO-15M	PL-15M	PM-15M
Φ2 x 50	PR-20S	PW-20S	PB-20S	PP-20S	PO-20S	PL-20S	PM-20S
Φ2 x 100	PR-20M	PW-20M	PB-20M	PP-20M	PO-20M	PL-20M	PM-20M
Φ2.34x 50	PR-234S	PW-234S	PB-234S	PP-234S	PO-234S	PL-234S	PM-234S
Φ2.34 x 100	PR-234M	PW-234M	PB-234M	PP-234M	PO-234M	PL-234M	PM-234M
Φ3 x 50	PR-30S	PW-30S	PB-30S	PP-30S	PO-30S	PL-30S	PM-30S
Φ3 x 100	PR-30M	PW-30M	PB-30M	PP-30M	PO-30M	PL-30M	PM-30M
Φ3 x 150	PR-30L	PW-30L	PB-30L	PP-30L	PO-30L	PL-30L	PM-30L
Φ6 x 50	–	–	–	–	–	–	PM-60S
Φ6 x 100	–	–	–	–	–	–	PM-60M

Meister Finish Rod Type Structure

【Alumina fiber filaments structure】

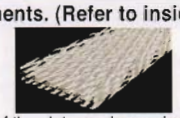
- The bundles of alumina fiber filaments cross and set in each other.

Meister Finish rod type is braided structure of alumina fiber filaments. (Refer to inside text)

The structure below Φ2mm or equivalent to #220(Gray) is as follows.

【Effect】

- Not easy to break or tear, and longer tool life.
- The tip or side of the tool can polish.



Made of the plate as shown above photo.

Usage precautions

- Before using a vibration tool or a hand grinder, carefully read the usage precautions and respective manuals.
- When using rod type with a hand grinder, use at less than the maximum rpm of 30,000 and less than 50mm in length.
- Always wear protective glasses, gloves, and masks when working.

Warning
Please always follow the above instruction and precautions.

Please visit our home page for details. ——— URL http://www.xebec-tech.co.jp

XEBEC®

XEBEC TECHNOLOGY CO.,LTD.

Head Office 4-3-3 Koujimachi, Chiyoda-ku, Tokyo, Japan
Phone.+81−3−3239−3481 FAX.+81−3−5211−8964
U R L http://www.xebec-tech.co.jp
E-mail info@xebec-tech.co.jp

Factory and R/D 4061-1 Minami-Minowa-mura, Kamiina-gun, Nagano,Japan
Phone.+81−265−73−1523 FAX.+81−265−73−0375

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