



# Polishing Slurry

PRODUCT CODE

## YG-1

**YAG (Yttrium aluminum Garnet) crystal** is most widely used solid state laser material and roughness, flatness and angles must be precisely controlled during polishing.

### Main applications



YAG, spinel

**YG-1** is alumina base slurry suitable for polishing single crystal YAG with the combination of hard pads, resin and pitch plate and has easy cleaning advantage compared with colloidal silica base slurry.

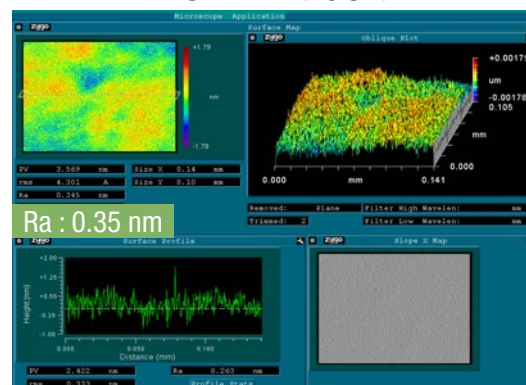
Recent developed polycrystalline YAG can be also polished by **YG-1** without step height grain to grain.

**Baikowski original CR resin plate** is highly recommended to use with **YG-1** to achieve superior roughness and flatness.

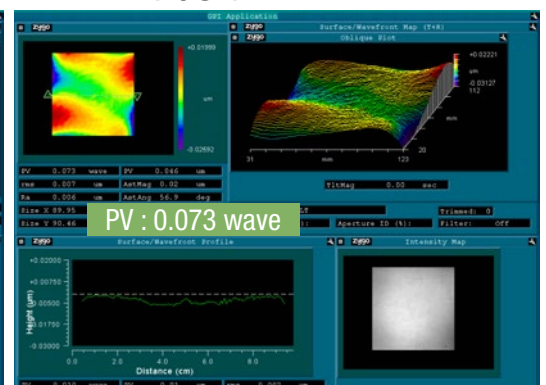
## POLISHING CONDITION

Machine	φ 380 mm single side
Work size	Various
Plate rotation	30 rpm
Down force	250 g / cm <sup>2</sup>
Slurry flow rate	10 ml / min

### Surface roughness (Zygo)



### Flatness (Zygo)



## SLURRY FORMULATION

Products	D50(μm)	pH	Dilution	Abrasive
YG-1	1.0	2 - 3	1 : 1	Alumina

Typical values are given by Baikowski as an indication only. Such values are not contractual.

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