

Industrial Laser Product & Feature



IR fiber laser



Singlemode
(IR300~1500W)

Multimode laser
(IR2~12kW)

High beam quality
Beam mode control

Blue diode laser



BR0400
(Blue400W)

BR2200/5000
(Blue2kW/5kW)

High brightness

Blue-IR Hybrid Laser BRACE® Series



BR0400
(Blue400W)

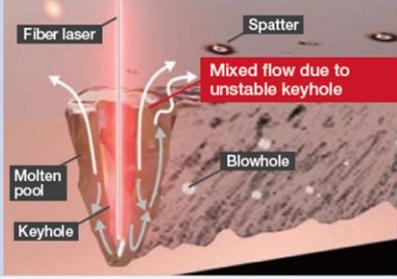
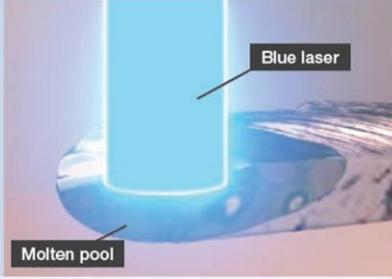
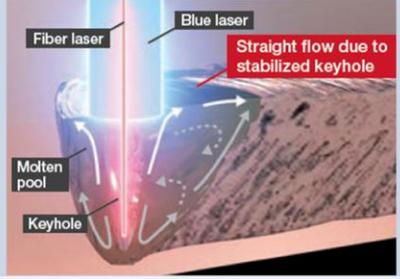
FEC1500S
(IR1.5kW)

BR1030
(Blue1kW; IR3kW)
 BR1545
(Blue1.5kW; IR4.5kW)

BR2200
(Blue2kW) + FEC6000M
(IR6kW)

Focusing on copper, the key materials in xEV.
Proposal for a new domain of copper processing
with blue laser + fiber laser.

Copper welding with Blue-IR Hybrid Laser

Laser	IR	Blue	Blue-IR Hybrid
Welding image			
Features	Beam Diameter: Small Copper absorption: low (about 5%)	Beam Diameter: Large Copper absorption: high (about 65%)	IR: Small beam diameter Blue: High absorbance for copper
Weld depth	deep	shallow	deep
Welding stability	unstable	stable	stable

Focusing on blue lasers and hybrid lasers that enable high-speed, high-quality processing of copper materials.

Laser Processing Videos

<p>Stability of Blue and IR Hybrid Welding (vs IR)</p> 	<p>Motor Hairpin Welding with BR1030</p> 	<p>PI Insulation Removal with BR0400</p> 
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Application Lab. (Collaboration Site)



Cutting-Edge Laser processing solution Lab. Common name: CELL

- **Key Feature 1**
- Laser Processing Room 13
- Training Center
- Room for Specific Projects
- Evaluation and analysis room
- X-ray CT



- **Key Feature 2**
- Blue, Hybrid, IR and next-generation models are all integrated.
- Various laser process solutions tailored to the customer's objectives can be provided

Furukawa Electric Co.,LTD. <https://www.furukawa.co.jp/en/>

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Web site

Recruiting Information



技術系 1day ワークショップ 各事業所・web開催

Summer 1day Workshop

Program:

- Lab/Factory Tour
- Group Discussion
- Q&A to technical staff

Scan the QR Code and Entry2028 for more information and an application

