

Super New Laser 0.8

- Ultra Slim Cut-Off Wheel -

Toho Sharp Stone Co.,Ltd.

Company Description

Company : Toho Sharp Stone Co., Ltd.

Representative : Ken Kuribayashi, CEO

Date of Establishment : August 23, 1982

Capital : 10 Million Japanese Yen

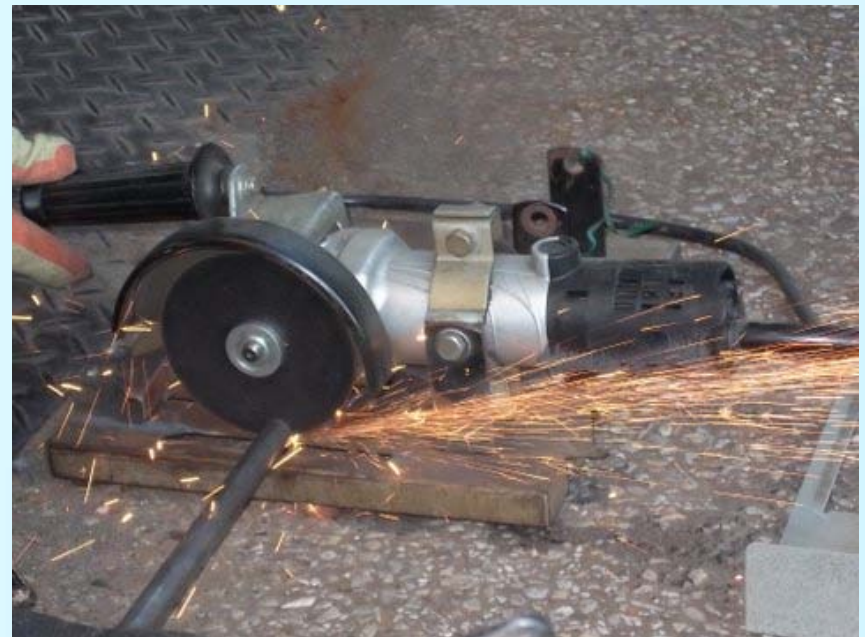
Number of employees : 19 (As of October 1, 2010)

Business Area : Manufacture and Sales of Cut Off Wheel
(Diameter 100–355 mm)

Sales Area : Under OEM production, Japan and Asian countries.

Cut off Wheel

- Cut off wheel is consisted of abrasive grain, binding material and air holes and under high rotating conditions, it cuts steel products.
- Cut off wheel can be used with fixed machine tool or handheld cutting tool.
- Cut off wheel can be used for Carbon Steel and/or Stainless Steel.



Super New Laser – Special Features

Pursue the following to the utmost limit:

(1) Economic efficiency, (2) Sharp edge, (3) Durability,
and, (4) Less weld flash after cutting.

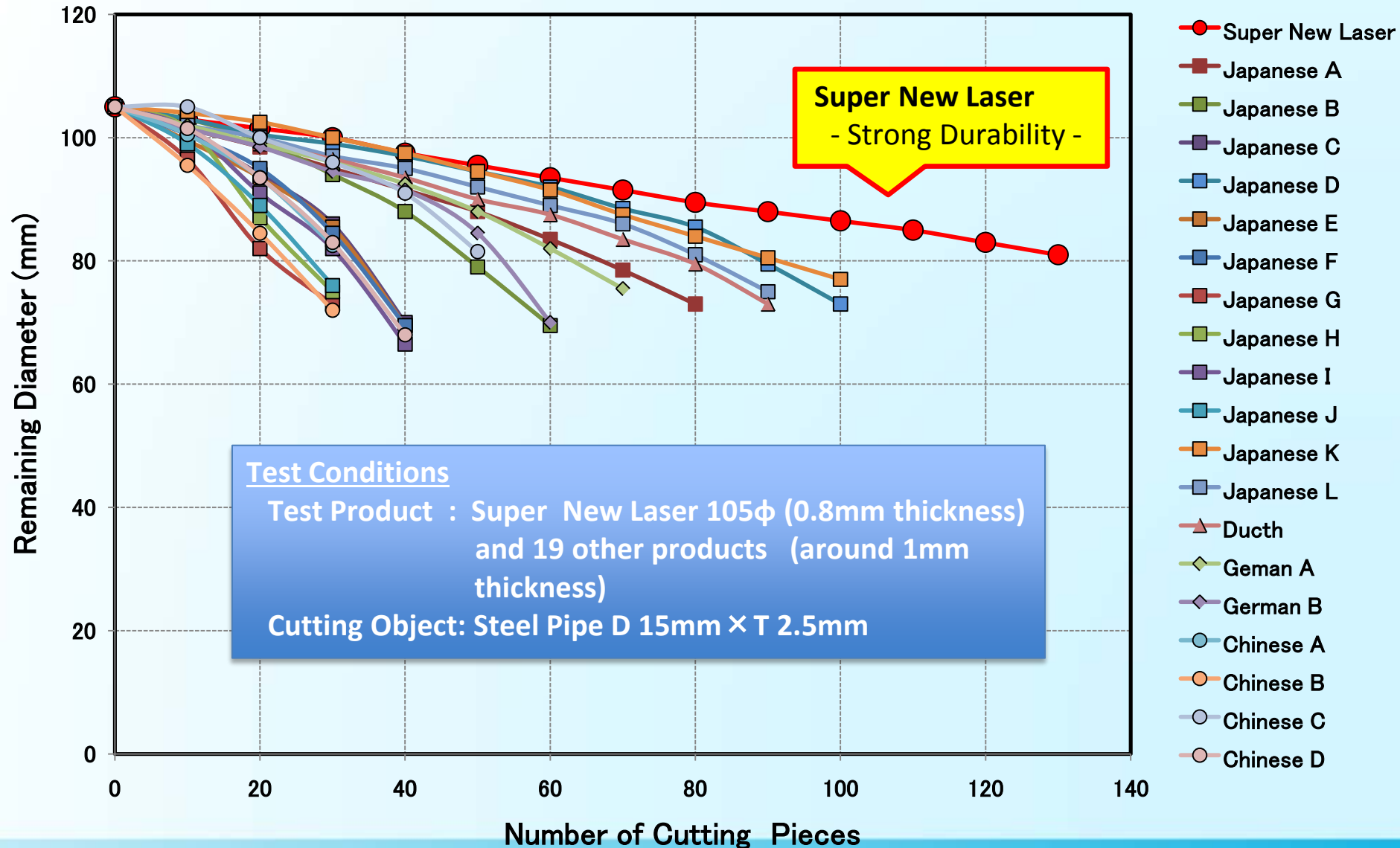
- Invent 0.8 mm thickness product and mitigate cutting resistance to a great extent. In addition, the product can be used both for carbon steel and stainless steel. Those lead to less operating time for workers. As a result, the product greatly contributes economic efficiency in customer's workplace.
- Using special abrasive grain and binding material, simultaneous pursuit of sharp edge and durability, which are normally under inverse correlation, can be achieved.
- Reinforced fiber glasses are attached both sides of the product, then it meets with high safety standard.
- Special production method developed by Toho Sharp Stone enables to produce a sharp and durable epoch-making cut off wheel, **“Super New Laser”**.

Line Up of Major Products

		Diameter of Cut Off Wheel (mm ϕ)				
		105	105	125	150	180
Dimension (mm)	Thickness	0.8	1	1.4	1.6	1.6
	Hole	16(15)	16(15)	22(15)	22	22
Specification	Material	MA	MA	MA	MA	MA
	Grain Size (JIS)	60	60	46	36	36
	Degree of Bond	S	S	S	S	S
	Max. Operation Speed (m/s)	80	80	80	80	80
Minimum Order		12,000 pieces	12,000 pieces	12,000 pieces	5,000 pieces	5,000 pieces

- Products are based on single crystal (MA: monocrystalline alumnum) and can be used both for stainless and carbon steel.
- With big orders, Toho Sharp Stone Co., Ltd. can produce up to 355 mm thickness.
- For overseas market, according to each stainless and carbon steel application, the product specifically applied for stainless steel or the one only for carbon steel is provided.

Durability (Cutting test with 19 other products)



Toho 0.8 mm vs. the other company(R) 1mm

< Toho: 0.8 mm >



<Company R :1 mm>



Toho 0.8 mm vs. the other company(R)1mm

< Toho: 0.8 mm >



Much less after treatment work required

<Company R :1 mm>

