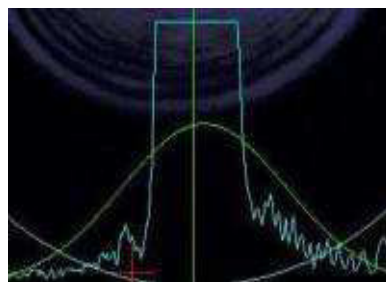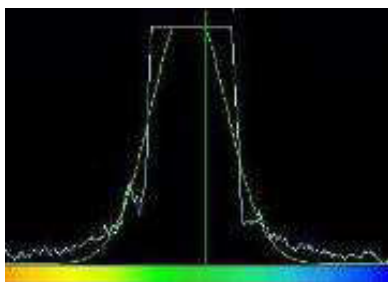# Beam Shaper

The beam shaper is functioned to change the Gaussian profile of a light source (commonly laser) to become a Top-Hat profile.

The design is based on transmissive model that can be used with maximum input beam size of 4.6mm and output at 8mm. The output beam is collimated. Thus it can be used with normal lenses after the beam shaper. We are open for other wavelength requirement, depends on your specific applications.

Applications:
It is commonly used for drilling and marking applications. The Top Hat profile cut or mark result has higher quality than the Gaussian. It is widely used in the industry.

W600 BS Series

Part No.	Applicable Input Beam Size (mm)	Output Beam Size (mm)	Max. outer Dia (mm)	Length (mm)	Beam Shaping Distance (mm)	Wavelength
BS-266-6-W600	5.8-6.0	5.0-5.5	30.0	151.6	100-600	266nm
BS-355-6-W600	5.8-6.0	5.0-5.5	30.0	160.5	100-600	355nm
BS-532-6-W600	5.8-6.0	5.0-5.5	30.0	171.5	100-600	532nm
BS-1064-6-W600	5.8-6.0	5.0-5.5	30.0	175.5	100-600	1064nm
BS-10600-12-W600	12.0	12.0	46.0	285.3	25-600	10600nm