

BRANSON

Titanium Booster

GOLD

EDP-101-149-079



40Khz
High Quality Product

 +91 9374021441

Website: www.ultrasonicweldingconverter.com

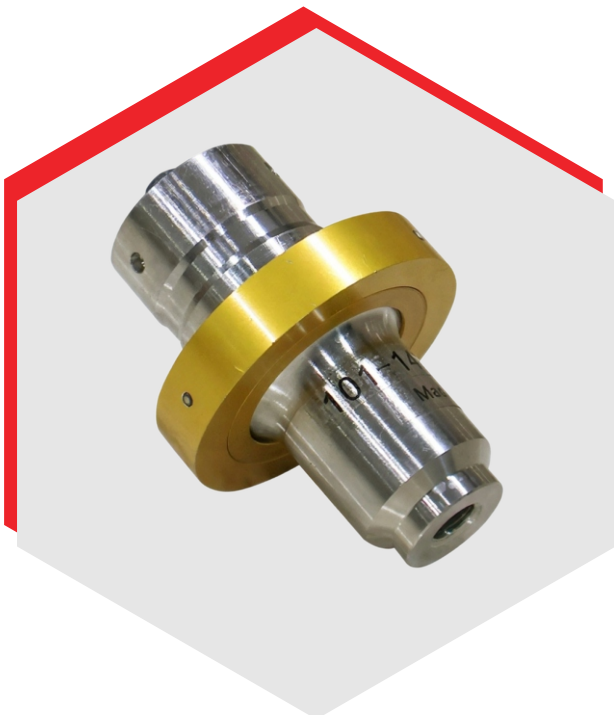
Technical Data

◆ Model	Titanium Booster
◆ Model No	EDP-101-149-079
◆ Brand	Branson
◆ Technology	Ultrasonic
◆ Accuracy	Good
◆ Efficiency	Excellence
◆ Frequency	40Khz
◆ Gain Ratio	1:1.5



◆ High Quality Product

100% Genuine Products



SHEETAL ENTERPRISES



Description

- ◆ The **Branson 1.1.5 Titanium with Gold Ring Booster** is a specialized ultrasonic booster designed to amplify the mechanical vibrations generated by ultrasonic systems, enhancing their effectiveness in various industrial applications. The use of titanium and the gold ring provides durability and efficient energy transfer, making it an essential component in ultrasonic welding, cutting, and cleaning. Here is a detailed overview of its **key specifications, applications, and**

advantages:

Key Specifications:

- ◆ **Gain Ratio:**

The Branson **1.1.5** booster typically features a **gain ratio of 1:1.5**, meaning that the output amplitude is one and a half times the input amplitude. This allows the ultrasonic system to produce higher amplitude vibrations for more efficient processing in demanding applications.

- ◆ **Frequency:**

Designed for use at **20 KHz**, this booster is ideal for a wide range of ultrasonic welding and processing applications, including plastic and metal welding, where precision and power are critical.

- ◆ **Material Composition:**

Body: Made from **titanium**, which is known for its high strength-to-weight ratio, corrosion resistance, and excellent vibration resistance. Titanium provides superior durability and is capable of withstanding high stresses in demanding industrial environments.

Ring: The **gold-anodized aluminum ring** offers enhanced **corrosion resistance** and **thermal stability**, protecting the booster from environmental factors that could impact its performance and lifespan.

Dimensions:

- ◆ **Overall Height:**

The typical height is between **100–150 mm**, designed for integration into ultrasonic systems.

Ring Diameter: Around **50–60 mm**, offering additional stability during high-amplitude vibration operations.

Threading: Precision threads ensure secure mounting to ultrasonic transducers and sonotrodes.

- ◆ **Weight:**

The Branson **1.1.5** titanium booster is relatively lightweight due to the use of titanium, weighing around **400–600 grams**, allowing for easy integration into existing ultrasonic systems without adding unnecessary weight.



At **Sheetal Enterprises**, we take pride in our expertise in designing and manufacturing high-quality Ultrasonic Converters. As part of our broad range of ultrasonic technology products, our ultrasonic converters are engineered to offer outstanding performance, durability, and precision. Our products are designed to cater to a wide range of industries, offering solutions that are not only efficient but also cost-effective. By focusing on customer satisfaction, we make sure our ultrasonic converters provide optimum energy conversion, improving productivity and reducing downtime.

Our Factory is Located on **Kathwada** & Also Another **Bavla** in Gujarat State of India.

Ultrasonic Converter



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