

# Hydra-Torque WS 2.2

## 2 Gun Torque Converter Welding Stand



Our 2 gun Torque Converter welding stand is an effective solution to cover the two primary objectives:

- Keep the welding process simple,
- Boost capability beyond the standard.

We managed to accomplish this with the introduction of some progressive features.

### Features:

The welder comes as standard with a MIG Welder for regular production. In addition it is fitted with a TIG Welder to enable accurate Hub/Neck replacement,

Adaptable for Dual gun MIG welding where high volume production is required,

MIG or TIG welding modes guarantee a complete top quality welding job,

Industrial touch screen display allows a simple operation with or without protective gloves,

Comprehensible and modern style control panel for swift and comfortable navigation,

Ethernet and USB-sockets for ease of software updates.

### Characteristics / Dimensions:

Max diameter for the welded Converter = 460mm

Max height of the welded Converter = 280mm

Max diameter of the clamp in the lower chuck = 50mm

Max diameter of the clamp in the upper chuck = 125mm

Dimensions: Length x Width x Height = 1140mm x 500mm x 2100mm

# Hydra-Torque PB 2.1

## Piston Bonder



The Hydra-Torque piston bonder comes with a set of adapter plates covering an extensive range of transmission models.

The bonder adapter plates are made of steel which makes it simple to produce additional adapters when required.

### Features:

Fast initial heat-up to start off the bonding process,

Additional adapter plates are easy to make in-house,

Implemented technology guarantees energy saving, up to 500 T/C's per month,

Incorporated display shows temperature charts to track condition for particular materials and makes.

### Characteristics / Dimensions:

Nominal power consumption = 6.1Kw

Working air pressure = 8 Bar

Dimensions of the heating chamber (oven):

Diameter x Height = 330mm x 190mm

Overall Dimensions:

Length x Width x Height = 1120mm x 750mm x 1724mm

# Hydra-Torque ATS 2.1

## Air Test Stand

The Air test stands is designed to check for leaks after the welding process is completed. Connected to a compressed air source, it is then submerged in water to visually show imperfections. The ATS 2.1 comes with durable adapters to fit various diameters of Torque Converter hubs.



### Characteristics / Dimensions:

Working air pressure = 8 Bar

Max converter diam. = 400mm

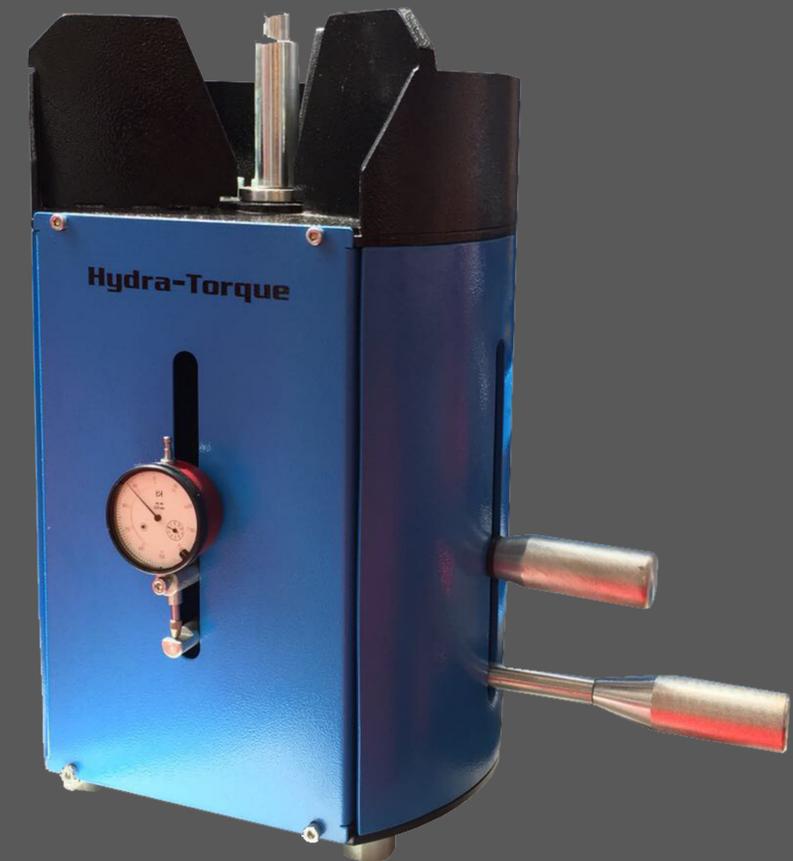
Max converter height = 250mm

Length x Width x Height = 960mm x 590mm x 2000mm

# Hydra-Torque ICS 2.1

## Internal Clearance Check Stand

This stand is designed to check internal clearance of the Torque Converter. The ICS 2.1 is an important step in a quality rebuilding end of line process - no quality rebuilding is complete without it.



### Characteristics / Dimensions:

Measurement precision = 0.01mm

Range of clearance measurement = 10mm

Length x Width x Height = 570mm x 400mm x 480mm

# Hydra-Torque PTS 2.1

## Preload Torque Test Stand

The PTS 2.1 is also known as the “Captive Clutch Press” ZF6HP series are designed to involve preload force applied to friction discs. This particular tool is necessary to check the clearance value during the rebuilding process, prior to welding.



### Characteristics / Dimensions:

Working air pressure = 8 Bar

Maximum converter size = 340mm x 330mm x 320m

Length x Width x Height = 540mm x 485mm x 960mm

# Additional Tools

We also produce minor tools required for Torque Converter rebuilding. They complete the package provided by Hydra-Torque to guarantee top quality results.

## Hydra-Torque LTK 330

We provide a range of adapters and a precision Face Plate for your Lathe to aid the torque converter opening process.

## Hydra-Torque ITK-S

The cone that is supplied in this kit is universal and suits the majority of TC models available on the present-day markets – Impeller Hub replacement runs smoother with this tool at your disposal.

## Hydra-Torque RT 2.1

This tool is a Rivet Gun designed for replacing internal rivets used in AL4/DP0 torque converters.