

Turbocharger

Die

by

TURBO
TECHNICS

**Orientation rig for
turbocharger housings**

Accommodates up to
Garrett T04 size
turbocharger

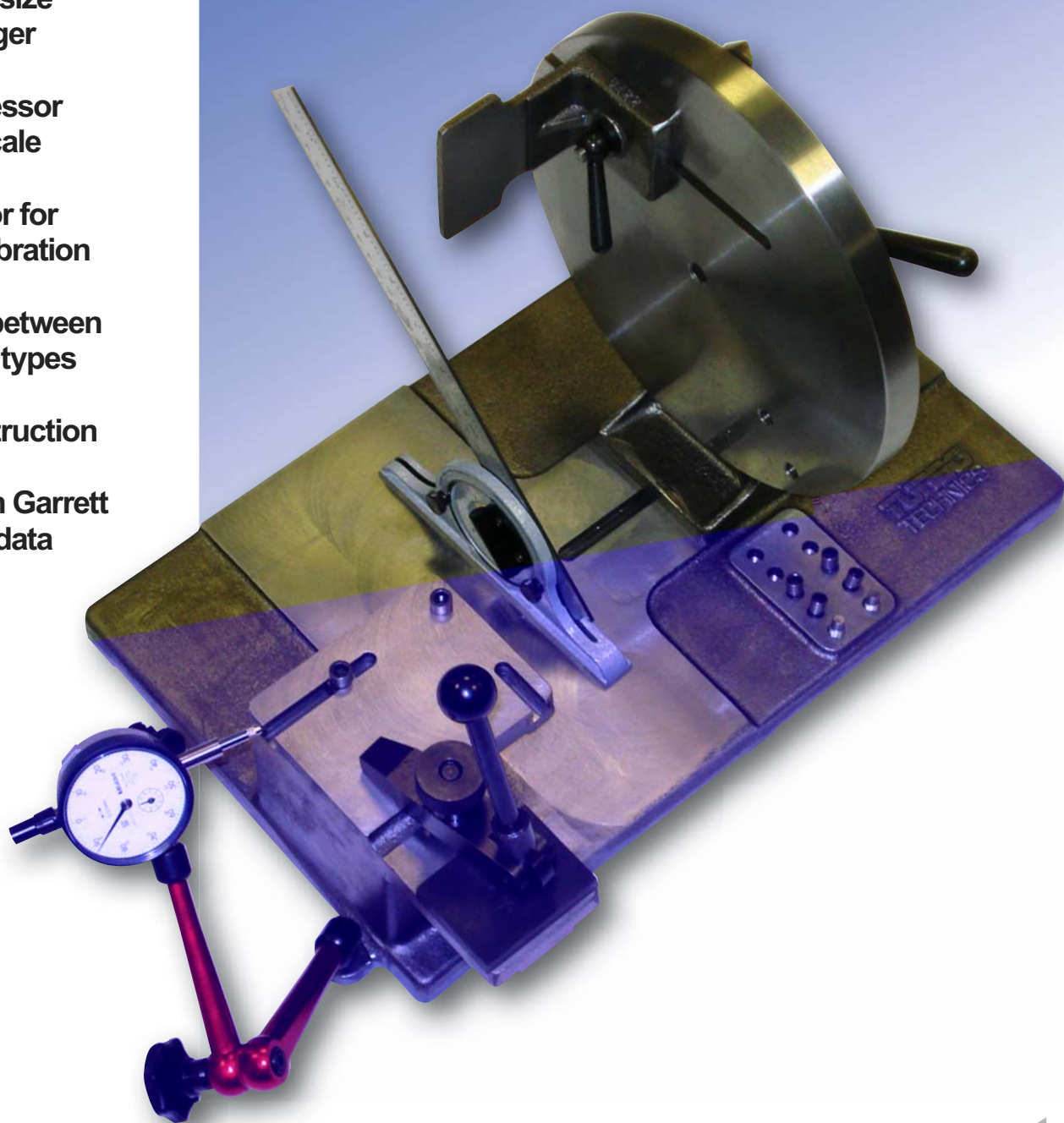
Compressor
scale

Tool for
alignment

Works between
two types

Construction

With Garrett
data



YOUR

NEAREST

TURB



Turbocharger Orientation Rig

by **TURBO
TECHNICS**

Setting the orientation of the compressor and turbine housings on any remanufactured turbocharger is crucial to ensuring that the replacement unit will fit exactly and perform perfectly each and every time. Doing this without dedicated equipment can be extremely difficult and time-consuming but the Turbo Technics Orientation Rig makes the process accurate, repeatable and efficient.

The Turbo Technics Orientation Rig forms part of the company's range of remanufacturing equipment and permits the remanufacturing industry to set the relative orientations of any turbocharger up to Garrett T04 in size accurately and consistently every time, as well as calibrate wastegate displacement to ensure optimum boost settings.

The Turbo Technics Orientation Rig consists of a fixed plate, a central protractor and a rotating disc, allowing the user to set the orientation of both the turbine housing and compressor housings relative to the turbocharger core.

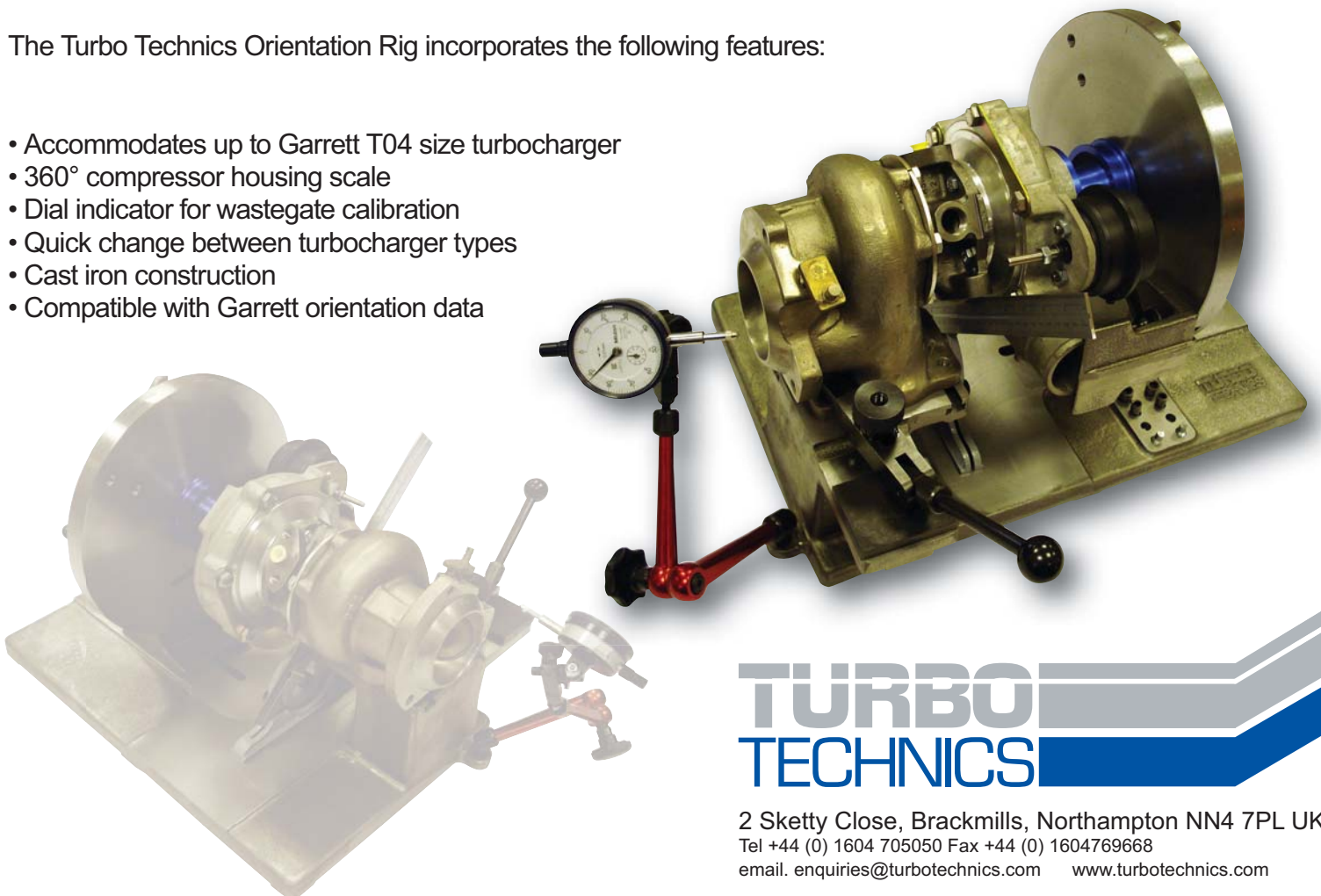
The process begins with the turbine housing manifold flange being fixed to the base of the rig. The turbo core is rotated and set against the protractor, using published data for the particular turbo. Once the turbine housing mountings have been tightened, the rotating disc is set, also to published data and the compressor housing rotated until its outlet is square against the plate on the rotating disc. The turbine and compressor housings are now accurately orientated to each other and the turbo core.

The wastegate actuator displacement can also be measured and set, with the rod displacement measured by a dial test indicator against a known pressure or vacuum input to the actuator.

More information and pricing details can be obtained from Turbo Technics or its authorised distributors.

The Turbo Technics Orientation Rig incorporates the following features:

- Accommodates up to Garrett T04 size turbocharger
- 360° compressor housing scale
- Dial indicator for wastegate calibration
- Quick change between turbocharger types
- Cast iron construction
- Compatible with Garrett orientation data



**TURBO
TECHNICS**

2 Sketty Close, Brackmills, Northampton NN4 7PL UK
Tel +44 (0) 1604 705050 Fax +44 (0) 1604769668
email. enquiries@turbotecnics.com www.turbotecnics.com