



precise®

TRAMEC GMBH



FISCHER AND TRAMEC – HEADS
THAT BELONG TOGETHER

FISCHER and TRAMEC – machine that Belong Together

The spindle is virtually inseparable from the machine milling head, and if the highest levels of total system performance are to be achieved, both parts must be carefully matched. This is the quintessentially short, simple and concise knowledge gained by TRAMEC and FISCHER after many years in the market. The imperative, close cooperation between spindle and head manufacturers has led to a closer cooperation between our two companies in areas of development, and service in



Servicing Spindles

The FISCHER PRECISE group develops, manufactures, and markets three brands of wide-ranging spindle systems: FISCHER, PRECISE and FORTUNA. In addition to the correct selection and structural design of a spindle, its faultless operation is also dependent on peripheral equipment (converter, choke, lubrication system, and cooling unit), all of which must be tuned to the spindle to be used in the application. Selection and design require

application technology know-how that has been specifically developed in the FISCHER PRECISE Group over many years, FISCHER PRECISE Group's worldwide repair service is available not only for our own brands but also for equipment from other manufacturers.

Individual elements of this customer support are:

- Design of the converter, choke, lubrication system and cooling unit
- Advice on machine integration and spindle commissioning
- Training
- Improve machining by taking the maximum allowable spindle loads and the productivity required into consideration
- Calculation of tool stability criteria
- Identification and measurement of spindle vibrations
- Development of strategies for increasing machine uptime and reducing machine downtime
- „Upgrading“ – Upgrading existing machines with higher performance spindle/converter systems

particular. As a result of this partnership, TRAMEC heads are repaired at designated FISCHER PRECISE Group service companies, while spindle and head installation service is coordinated by all FISCHER PRECISE Group facilities.



Servicing Heads

TRAMEC milling heads meet the most stringent demands on component precision and durability, as well as for flexibility, coordination, and load transmission during the milling process. These features are primarily required for the manufacture of aerospace industry components that need high degrees of precision machining and special processing steps. In the same way, milling heads are used for 5-axis processing and also for making models and moulds.

Milling heads play a pivotal role as machine components. They are effectively the “heart” of the machine. This means professional on-site service is a must. In this respect the FISCHER PRECISE Group is a highly qualified partner.

The FISCHER PRECISE Group’s worldwide presence, and our skills in spindles, milling, and grinding are the perfect foundation for servicing milling heads.

Individual elements of this customer support are:

- On-site diagnosis and problem analysis
- On site cause analysis
- Spare part procurement and stocking by arrangement
- Regular essential maintenance of milling heads and the spindles used

Service Around the World

In addition to the manufacturing sites of FISCHER AG Precision Spindles, PRECISE Precision Spindles and FISCHER PRECISE Deutschland GmbH (FORTUNA brand), the FISCHER PRECISE Group includes established service companies in other key markets.

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24 hour Service

USA 12:00
Europe 19:00
China 001:00

Europe 12:00
China 18:00
USA 005:00

China 12:00
USA 23:00
Europe 06:00

Our service covers:

- dismantling analysis and repair per quotation
- failure cause analysis on site
- spare part stocking by arrangement
- 24 hour telephone service with support and presence in different time zones

We look forward to talking to you.



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