



## Fingerprint

### Prevent Machine Breakdowns

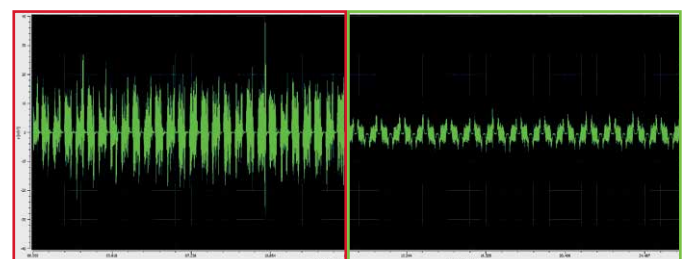
#### Concept

With the fingerprint, a vibration recording of the unit and/or spindle is taken to describe a machine condition. The fingerprint obtained is used as a reference for comparative measurements or fault analyses and for later inspections.

#### Advantages

- ▶ Condition-oriented maintenance by means of recording and comparative analysis of the actual machine condition
- ▶ Troubleshooting of vibrations and axis oscillations
- ▶ Troubleshooting of spindle and machining problems
- ▶ Cycle time optimisations
- ▶ Preventive maintenance and machine downtimes can be planned
- ▶ Minimisation of unpredictable machine breakdown risk
- ▶ Higher availability and safeguarding of production

#### Example of a fingerprint of an X-axis



Before Repair

After Repair

# Overview Pfiffner Supply of Services

## Service Products

- ▶ Replacement of control panel
- ▶ Replacement Siemens 805
- ▶ ReVest®
- ▶ Repair Express
- ▶ Sawing unit, reinforced expansion stage
- ▶ CNC stand alone machining unit
- ▶ Test bench
- ▶ TENDOturn spindle uprating
- ▶ Inverting unit monitored
- ▶ High-pressure collet flushing
- ▶ Rent instead of buy

## Control / Teleservice / Security

- ▶ Pfiffner Remote Service (data glasses)
- ▶ Fingerprint
- ▶ Inspection, prevention pays off
- ▶ Maintenance agreement, prevention pays off
- ▶ Customer training
- ▶ Call Teleservice
- ▶ Safety inspection
- ▶ Teleservice box
- ▶ Energy efficiency subsidies

