

STRAIN AND FORCE SENSORS WITH SENSORMATE TECHNOLOGY

TIE BAR MEASURING SYSTEM



GEFRAN

TECHNOLOGY

The **press-on strain sensors** measure the surface-strain directly at the mounting location, similar to bonded strain gages.

The strain gages are protected: they are positioned under the stainless protective foil and are strongly pressed onto the measuring surface that friction **replaces the bonding** normally used to fix strain

gages.

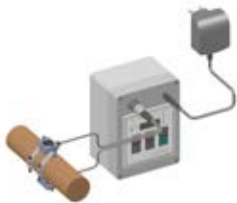
The sensors can be installed **very easily and just in few seconds**.

The sensors do not need to be recalibrated every time they have been **replaced or remounted**.

PRESS-ON STRAIN SENSORS

GE1029-DU-1D SET

- One digital monitor type DU-1D
- One pair of GE1029 strain sensors incl. cable
- One pair of steel bands included
- One manual and handy carrying case (350x290x125)



QE1008-DU-1D SET

- One digital monitor type DU-1D
- One pair of QE1008 magnet sensors incl. Y-cable
- One manual and handy carrying case (340x280x130)



QE1008-W-02 SET

- Four-channels USB-Receiver
- One pair of QE1008W magnet sensors incl. batteries
- Alignment software, Inspectmate 4.0
- One manual and handy carrying case (340x280x130)



GE1029-DU4D SET

- One digital monitor type DU-4D
- Four pairs of GE1029 strain sensors incl. cable
- Four pairs of steel bands included
- One manual and handy carrying case (500x400x190)



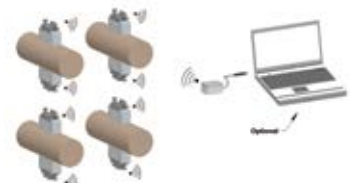
QE1008-DU-4D SET

- One digital monitor type DU-4D
- Four pairs of QE1008 strain sensors incl. four Y-cables
- One manual and handy carrying case (500x330x210)



QE1008-W-08 SET

- Four-channels USB-Receiver
- Four pairs of QE1008 strain sensors incl. batteries
- Alignment software, Inspectmate 4.0
- One manual and handy carrying case (400x320x100)



QE1008-DU-4USB SET

- One digital monitor type DU-4USB
- Four pairs of QE1008 strain sensors incl. four Y-cables
- One manual and handy carrying case (400x300x200)



TIE BAR MEASURING SYSTEM

WHO

R&D

COMMISSIONING

SERVICE

WHAT

to optimise the strain links and blocks location

to measure tie bar elongation and clamping force

to test and check the machine

WHY

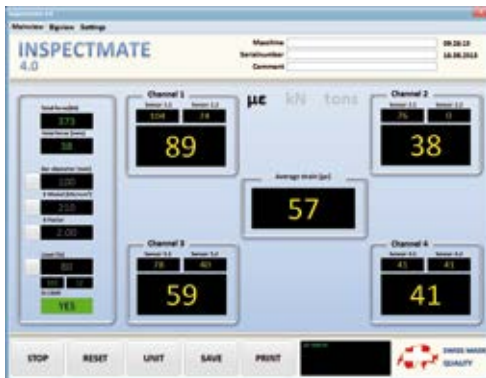
to improve the machine performance

to check the machine reliability

to check the machine stability

BENEFIT

to increase product quality & productive



WHY OUR PRESS-ON STRAIN SENSORS

- Very fast and easy installation
- Multiple use of same strain gauge
- No soldering or surface cleaning
- No special strain gauge know how needed

APPLICATIONS



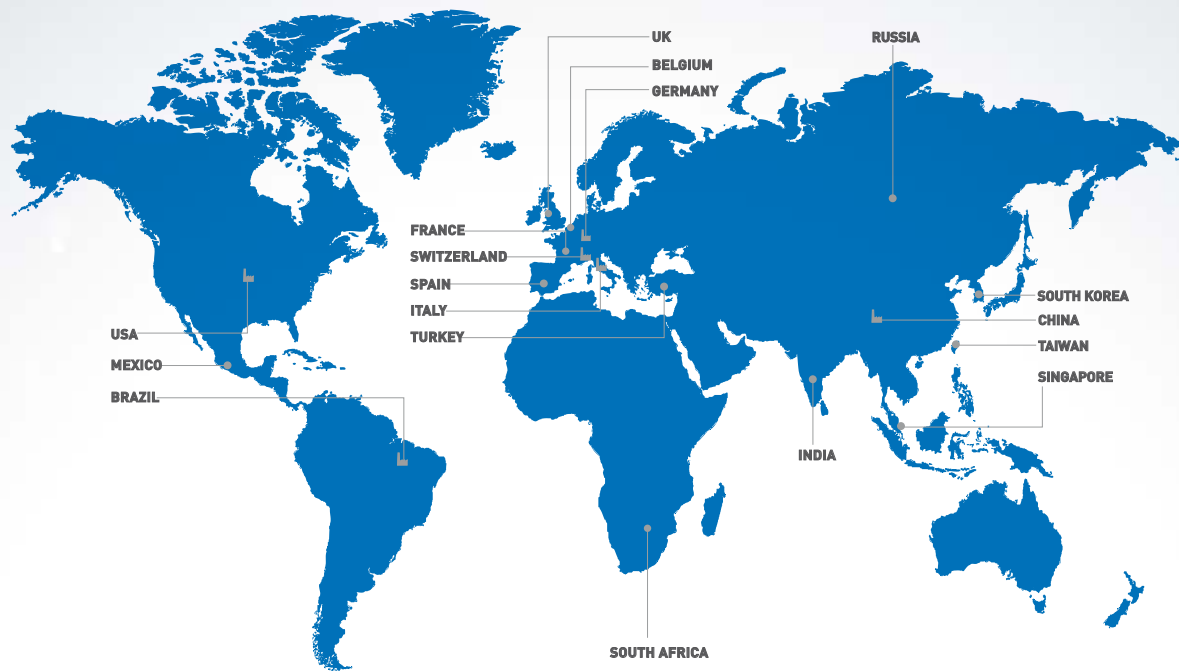
INJECTION MOLDING



DIE CASTING



STAMPING PRESSES



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