

**Product information Position detecting, Discrimination of dimensions Contact-type high-accuracy position sensors**

0.5 micron repeatability without amplifier. Co-invented with TOYOTA Motor Corporation.



High precision MT-Touch sensors

10 micron type. A wide selection is available.



CS-Touch sensors

**Two tasks with one device! Design your machine compact. Machine components with built-in sensors.**

Dog, stopper bolt and actuator are no longer needed.



Stopper bolt with built-in sensors

$\phi 8 \times 8$  Perfect fit for robots' fingers detecting clamping signals.



Stopper Mini with built-in sensors

For sliding objects.



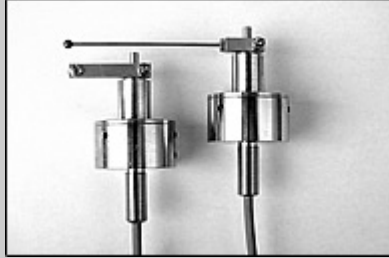
Ball plunger with built-in sensors

Push out signal.



Spring plunger with built-in sensors

Small contact force is available. Rotating finger type.



CS-Touch sensors R-series

2 class discrimination sensor ( $\pm$ NG OK)



CS-Touch sensors CS-series

**+NG, OK, -NG, 3 class discrimination sensor. For low cost automation**

Your dial gauge comes to have output signals.



Mini-Pulser

TOYOTA TMS approved. Working in the car manufacturing lines.



MT-Pulser

**World first pneumatic shock absorber!!! Vacuum+Pneumatic Shock Absorber with sensor**

World first oil-free design! For application requiring cleanness.



Aero Absorber