

Application Review

Heat Resistant Tool Changer for High Temperatures

Problem defined

Melting. Most tool changers don't stand a chance in 1600°F.

Typical applications for the heat resistant tool changer involve handling parts undergoing a heat treatment (thermal spray or furnace) process or thermal coating process.

Solution in reach.

Applied Robotics utilizes their proven 3-cam latching mechanism with a central, positive retract and fail-to-safe locking mechanism in a heat resistant tool changer, providing continuous and reliable operation even in harsh environments.

The tool changer construction employs a high performance stainless alloy to achieve maximum strength and stability at elevated temperatures. Also provided with active air cooling, which supplies constant heat removal, the tool changer can couple to a tooling at temperatures ranging up to 1600°F.

The tool adaptor, fixed to the part receiving treatment, can reach temperatures up to 1600°F and then be coupled directly to the robot adaptor and either removed from the heat source or manipulated to receive a thermal coating.

Capable of operating in harsh environments at extreme temperatures, the heat resistant tool changer provides customers with dependable automated tool changing.

See your representative for further details. For more information on how our products can maximize your uptime, please call Applied Robotics at (800) 309-3475 or email us at <u>info@arobotics.com</u> visit us at <u>www.appliedrobotics.com</u>

