



SWITCH SOLUTIONS FOR AUTOMOTIVE APPLICATIONS

www.ck-components.com



MANUFACTURING TECHNOLOGY INTO SOLUTIONS

C&K Components has been providing innovative customer solutions for over 50 years. C&K has extensive industry and application knowledge to solve the most difficult design challenges, utilizing the latest development and manufacturing techniques, to provide specific application solutions while reducing the development to production life cycle. C&K is ISO 9001 and TS16949 certified in each of its manufacturing locations, and uses the latest development and manufacturing tools required by the automotive industry. To offer high performance, highly reliable, precision products meeting design-to-cost objectives, C&K Components has internal and vertical control of all key processes involved with switch production, including stamping, precision molding, over-molding, plating and assembly.



High speed & precision stamping die designed and built by C&K

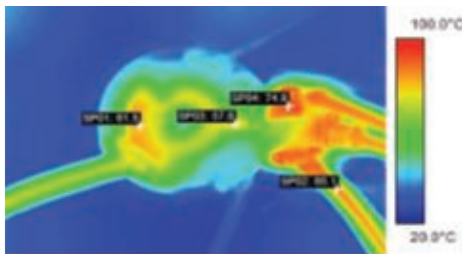


High speed switch assembly machine designed and built by C&K

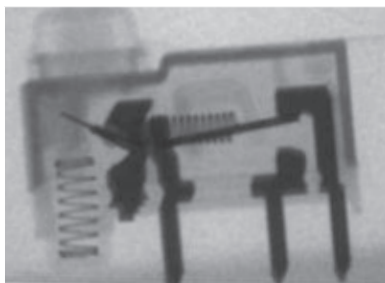


High speed and high precision milling machine for tools and machine building

ENGINEERING TECHNOLOGY INTO SOLUTIONS
















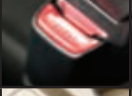









Molding rheology simulation



Dynamic x-ray analysis

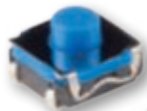
Strong technical support is required to address the unique demands of automotive customers. C&K supports customers locally with regional design centers around the globe: in Newton, MA, U.S.A., Dole, France, and Huizhou, China. C&K uses the following analytical tools to ensure product performance: 3-D CAD modeling, mold flow analysis, FEA, dynamic motion analysis, high speed photography, fixed and dynamic X-ray, thermal imaging, SEM/FTIR, light propagation analysis, sound chamber and force/displacement tester.

SWITCH SOLUTIONS FOR AUTOMOTIVE APPLICATIONS — PRODUCTS

										
		Tactile	Key	Detect	Snap	Push	Multi Functions	Haptic System	Integrated Switches	Park Brake Switch
	Interior Controls	•	•	•		•	•	•	•	•
	Steering Wheel	•	•				•	•	•	
	Interior Lighting	•	•	•					•	
	Shifter/ Gear Box	•		•	•	•			•	
	Seat Belt			•					•	
	Electronic Park Brake									•
	Door Panels and Seats	•	•	•	•	•	•	•	•	
	Column Switches	•		•			•		•	
	Auto Dimming Mirrors	•	•	•						
	Tactile Surface							•		
	Mecha- tronics Detection	•	•	•	•				•	
	Keyfobs	•								
	Door and Trunk Handles	•		•		•			•	
	Latches	•		•	•				•	

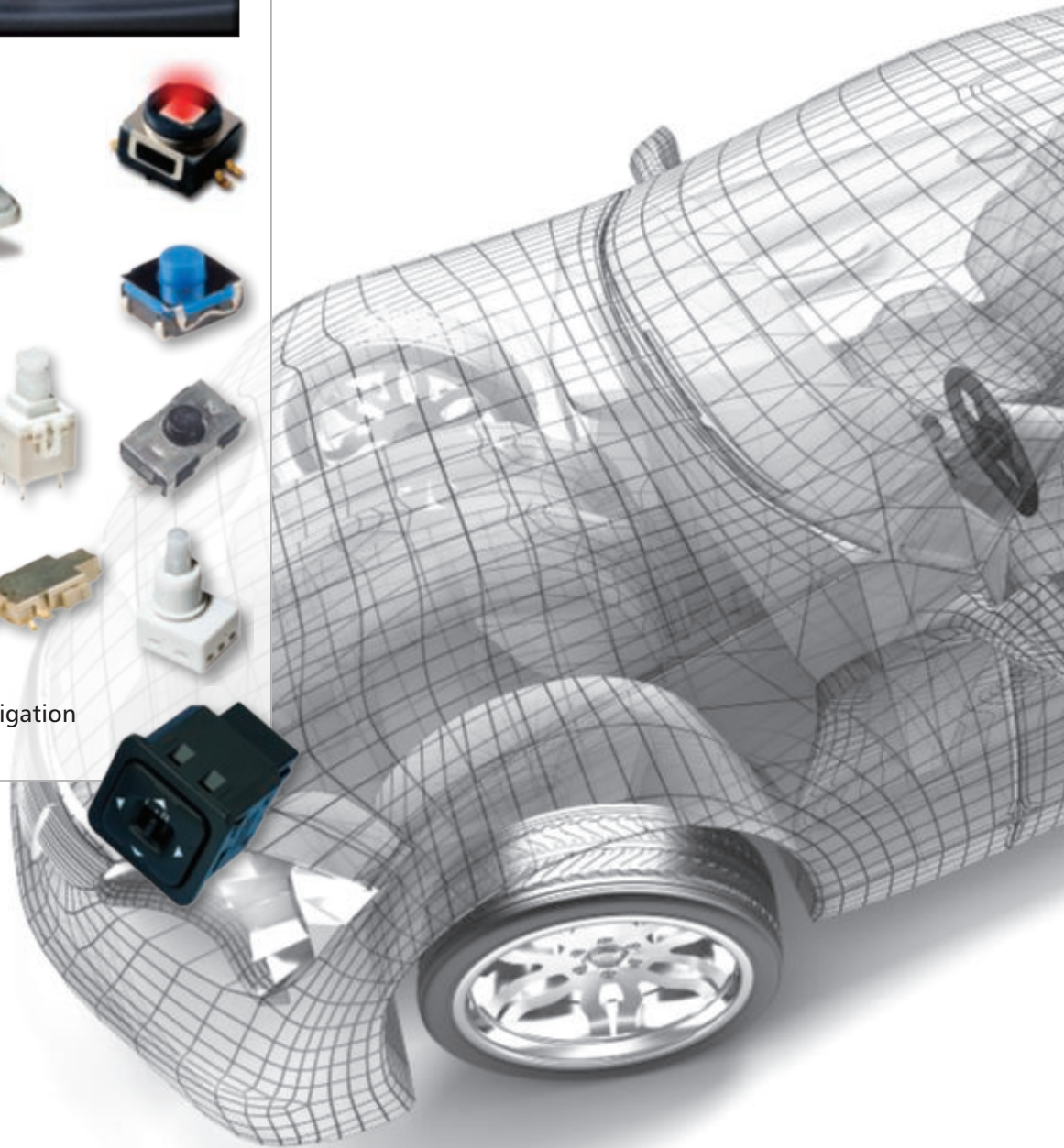
DESIGNING TECHNOLOGY

SWITCH SOLUTIONS FOR CAR INTERIORS



- Interior Controls
- Steering Wheel Controls
- Interior Lighting
- Gear Box Selection
- Seat Belt Detection
- Electronic Park Brake
- Sun Visor
- Presence Detection
- Innovative Control and Navigation

Features like tight product tolerances, haptic-on-demand, acoustical environmental and process sealing, and mechanical or electrical in core value of automotive switching, and C&K delivers these every day. As a supplier to the automotive industry for more than 30 years with a long history of working closely with customers, C&K is able to offer application specific solutions that meet all design requirements fully PV and PPAP qualified using AIAG standards.



LOGY INTO SOLUTIONS

adaptation, high-reliability, interface integration are the way. C&K has been a premier history of innovation. By specific, engineer-to-engineer simplified to your specifications

SWITCH SOLUTIONS FOR ACCESS MANAGEMENT

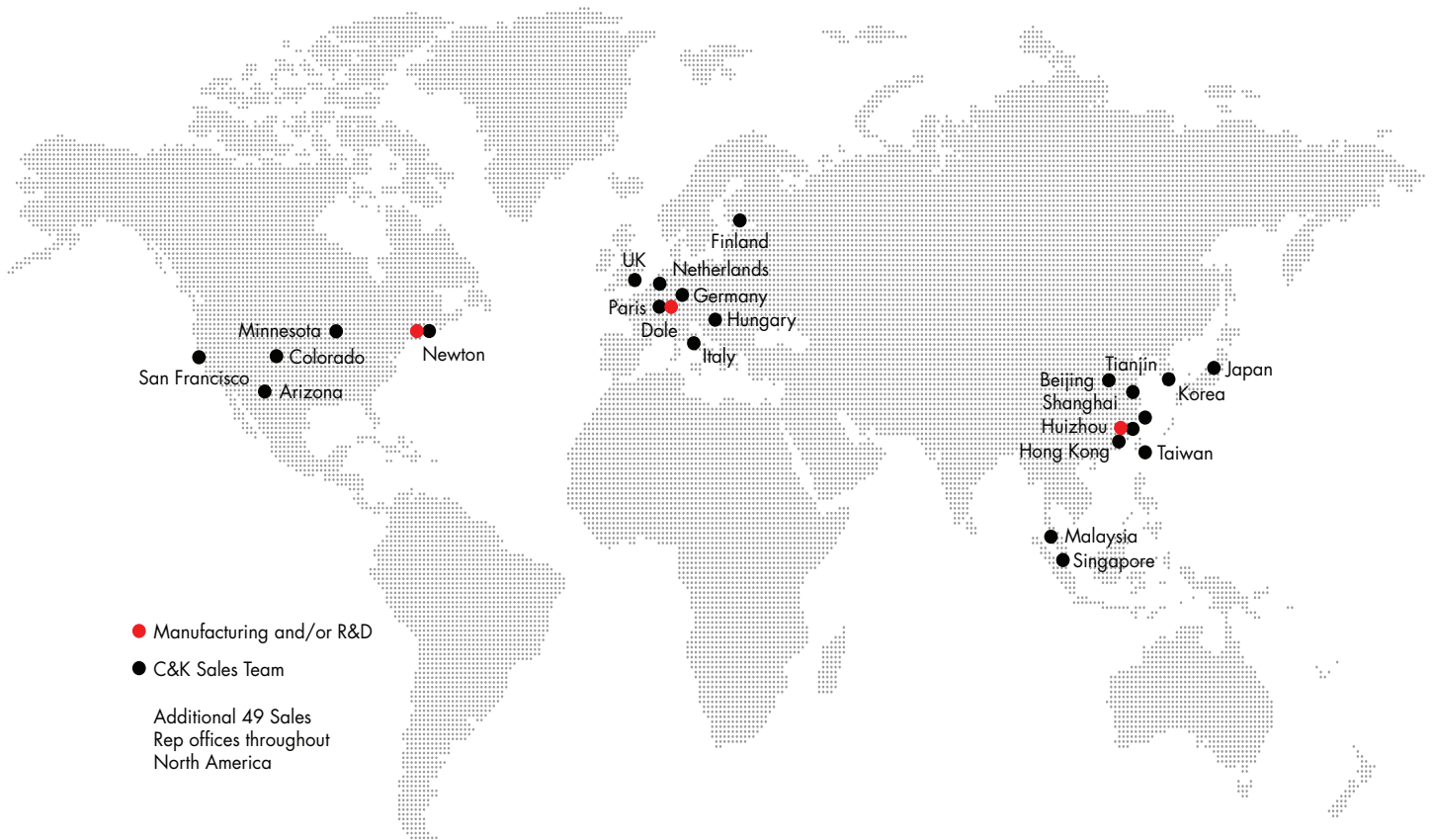
- Keyfobs
- Door Latches
- Door Handles
- Tailgate Switches



SWITCH ASSEMBLIES AND CUSTOMER SPECIFIC SOLUTIONS

- Multi-function, Multi-axis Switching
- Integrating Switches and Electronics
- Decorative Solutions
- Feel and Sound
- Lighting
- Component Fabrication
- Connections
- Sealed Assemblies





Please visit www.ck-components.com to view C&K's full product offering and list of partners and distributors. The "Ask a specialist" function on the website allows direct contact to each C&K product manager to leverage your C&K product knowledge.

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