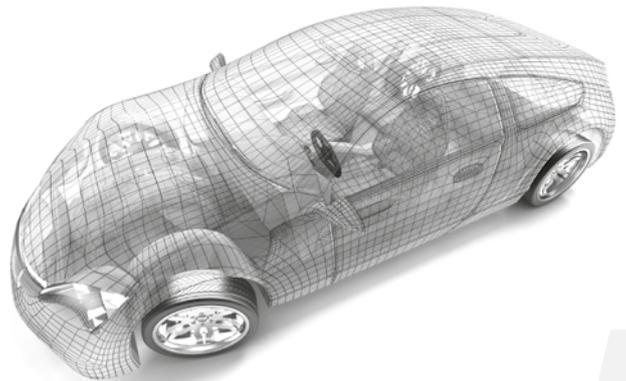


SWITCH SOLUTIONS FOR AUTOMOTIVE APPLICATIONS

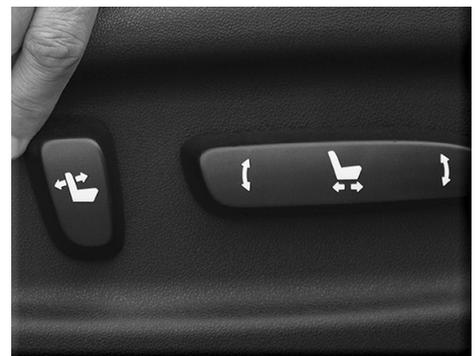
Automotive

Features like tight product tolerances, haptic-on-demand, acoustical adaptation, high-reliability for ASIL rated units, environmental and process sealing, and mechanical or electrical interface integration are the core value of automotive switching, and C&K delivers these every day. C&K has been a premier supplier to the automotive industry for more than 50 years with a long history of innovation. By working closely with customers, C&K is able to offer application specific, engineer-to-engineer solutions that meet all design requirements fully PV and PPAP qualified to your specifications using AIAG standards.



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
- Lift Window Controls
- Seat Adjustments



AUTOMOTIVE APPLICATIONS

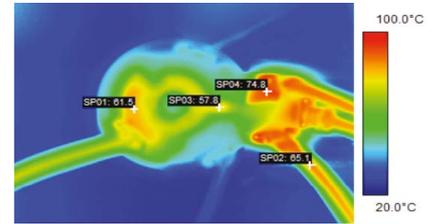
**Switch Solutions
for Automotive
Applications
– Products**

									
	Tactile	Pushbutton	Snap	Rotary	Navigation	Detect	Switch Harness	Haptic System	Integrated Switches
 Interior Controls	•	•	•	•	•			•	•
 Steering Wheel	•							•	•
 Interior Lighting	•	•	•			•	•		•
 Shifter / Gear Box	•		•	•			•		•
 Seat Belt			•				•		
 Electronic Park Brake		•	•						
 Door Panels and Seats	•	•	•	•	•	•	•	•	•
 Column Switches	•								
 EV Charging	•					•			
 Tactile Surface	•							•	
 Mechatronics Detection	•	•	•			•	•		
 Keyfobs	•								
 Door and Trunk Handles	•		•			•	•		
 Latches			•				•		

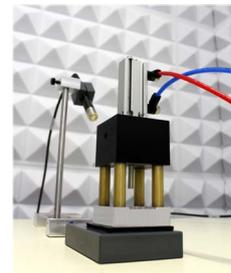
AUTOMOTIVE APPLICATIONS

Engineering Technology into Solutions

Solutions to the challenges facing the Automotive market space require collaboration between customer and supplier. To provide local engineer-to-engineer communication and support, C&K has design centers located in Boston, MA (USA), Dole France, and Huizhou China. In order to develop robust product designs and expedite time to market, C&K leverages design and analysis tools such as solid modeling CAD systems, FEA and dynamic motion software, mold flow analysis, 3D printing & SLA, X-ray, SEM/FTIR, thermal imaging, force testing, life and reliability under harsh climatic conditions and sound analysis chambers.



Molding rheology simulation



Chamber for acoustic testing



Life test bench

Manufacturing Technology into Solutions

C&K has been providing innovative solutions to our customers for over 50 years, using our extensive industry and applications knowledge and the latest development and manufacturing techniques to solve the most difficult design challenges and provide customer and application specific solutions. Our manufacturing locations are ISO 9001 and IATF 16949 certified. To ensure quality, reliability, and long cycle life, as well as meet design to cost objectives, C&K maintains internal control of key manufacturing processes such as stamping, precision molding, plating, and high speed automatic assembly.



Precision stamping and over molding tools designed and built by C&K



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



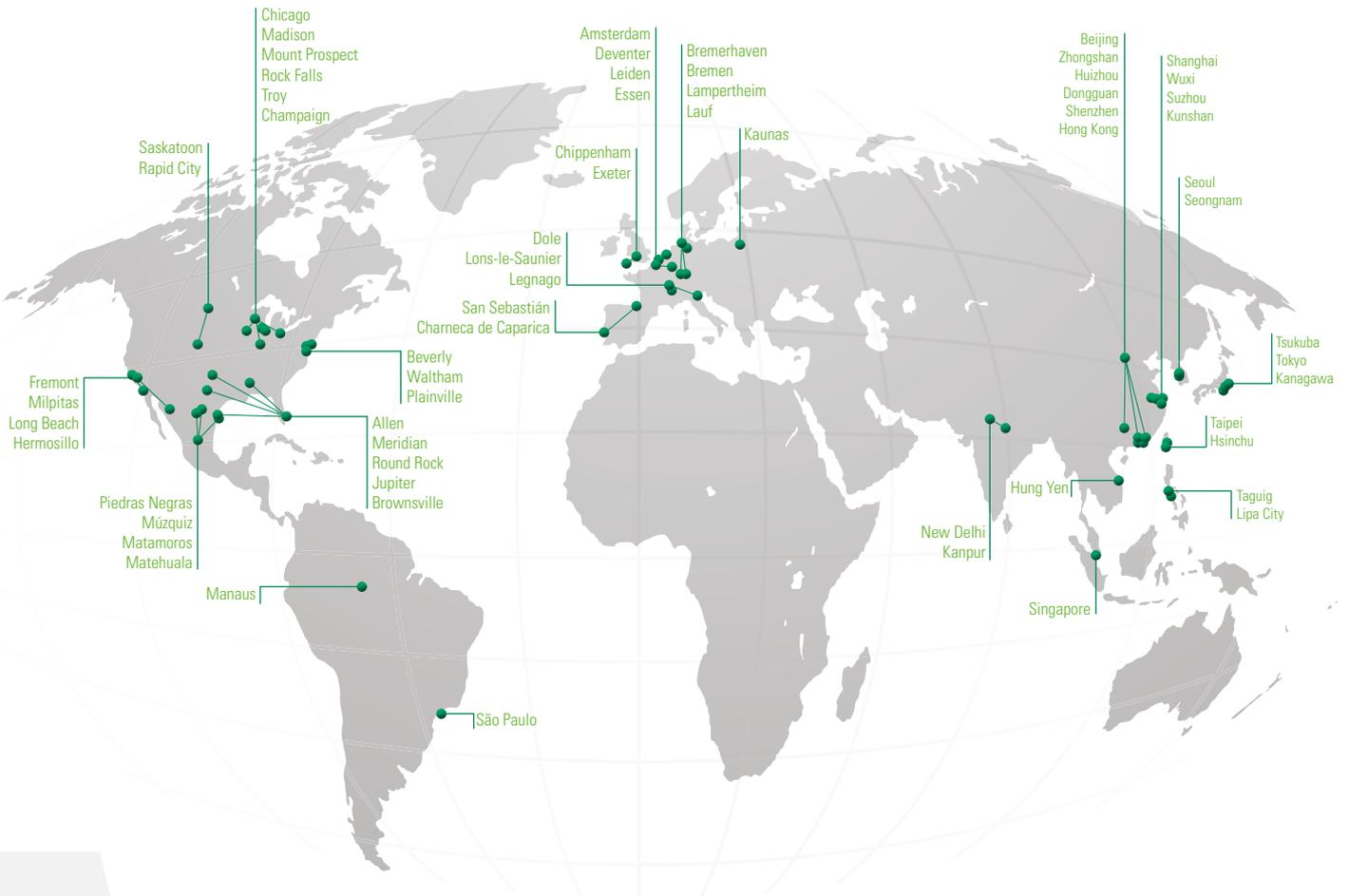
High speed switch assembly machine designed and built by C&K



Control station

AUTOMOTIVE APPLICATIONS

Sales Support



Please visit www.ckswitches.com to view C&K's full product offering and list of partners and distributors.