ENGINEERING TECHNOLOGY INTO SOLUTIONS
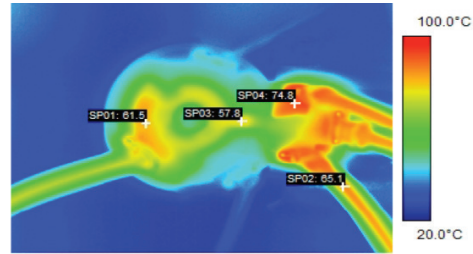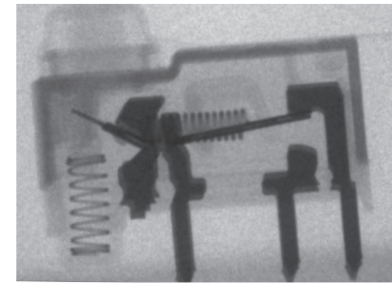

Molding rheology simulation
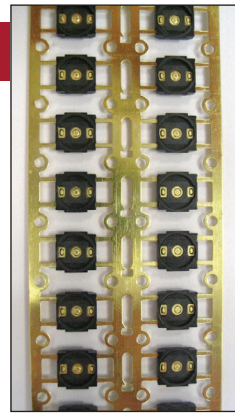
Solutions to the challenges facing the Industrial market space require collaboration between customer and supplier. To provide local engineer-to-engineer communication and support, C&K has design centers located in Newton, MA (USA), Dole France, and Huizhou China. In order to develop robust product designs 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, and sound analysis chambers.

Dynamic x-ray analysis

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 TS16949 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.
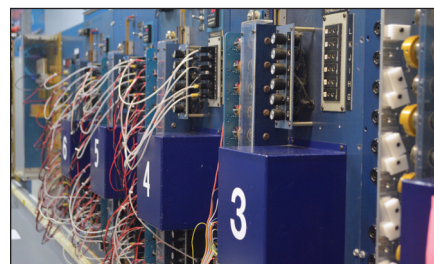

Precision stamping and over molding tools designed and built by C&K

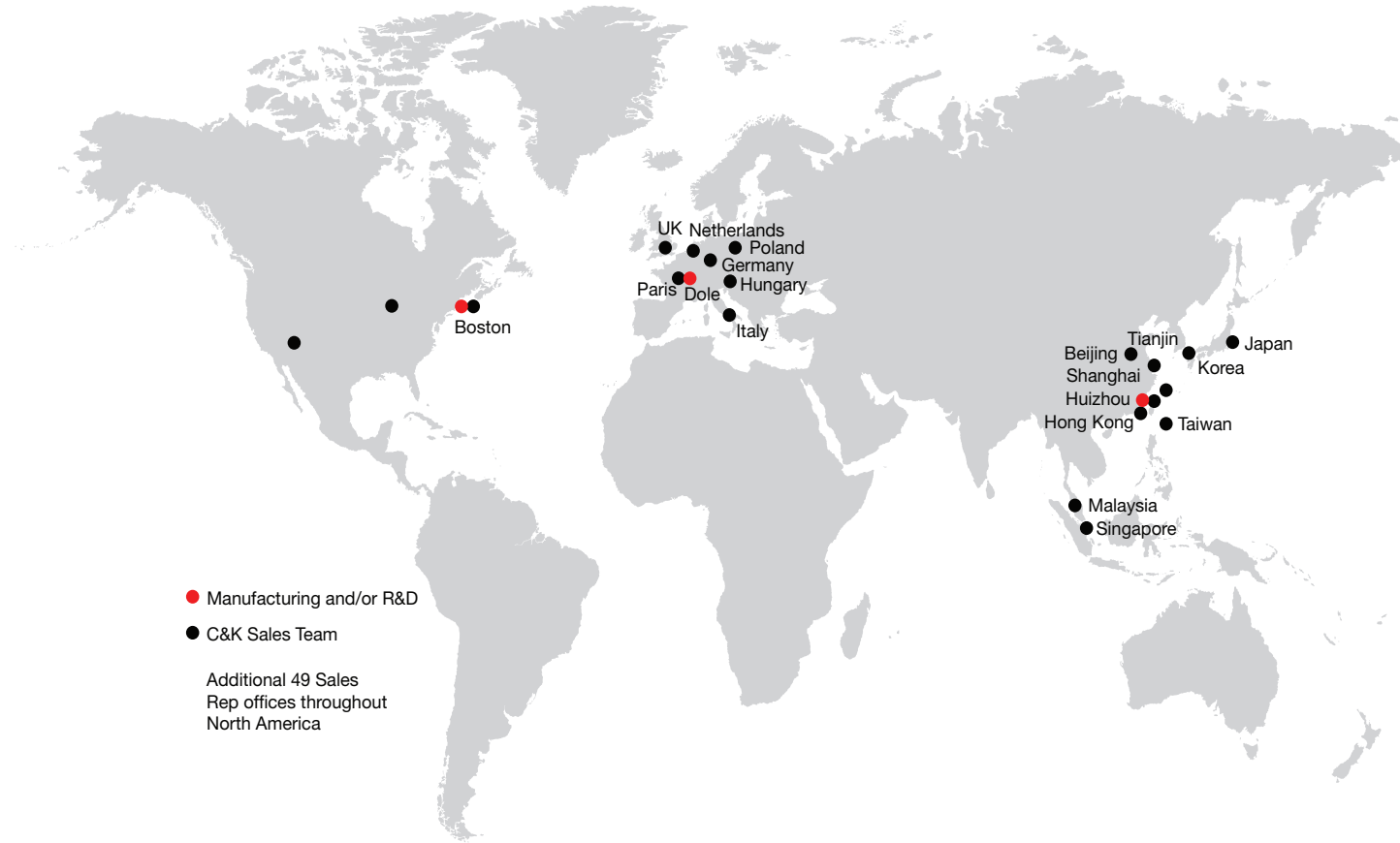High speed and high precision milling machine for tools and machine building

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

Customized in-house testing capability

C&K SALES SUPPORT

UK
Netherlands
Poland
Germany
Paris Dole Hungary
Italy
Boston
Beijing Tianjin Japan
Shanghai Korea
Huizhou
Hong Kong Taiwan
Malaysia
Singapore

● Manufacturing and/or R&D
● C&K Sales Team

Additional 49 Sales Rep offices throughout North America

Please visit www.ckswitches.com to view C&K's full product offering and list of partners and distributors. If you need any additional information or have any question, please contact your local customer representative.
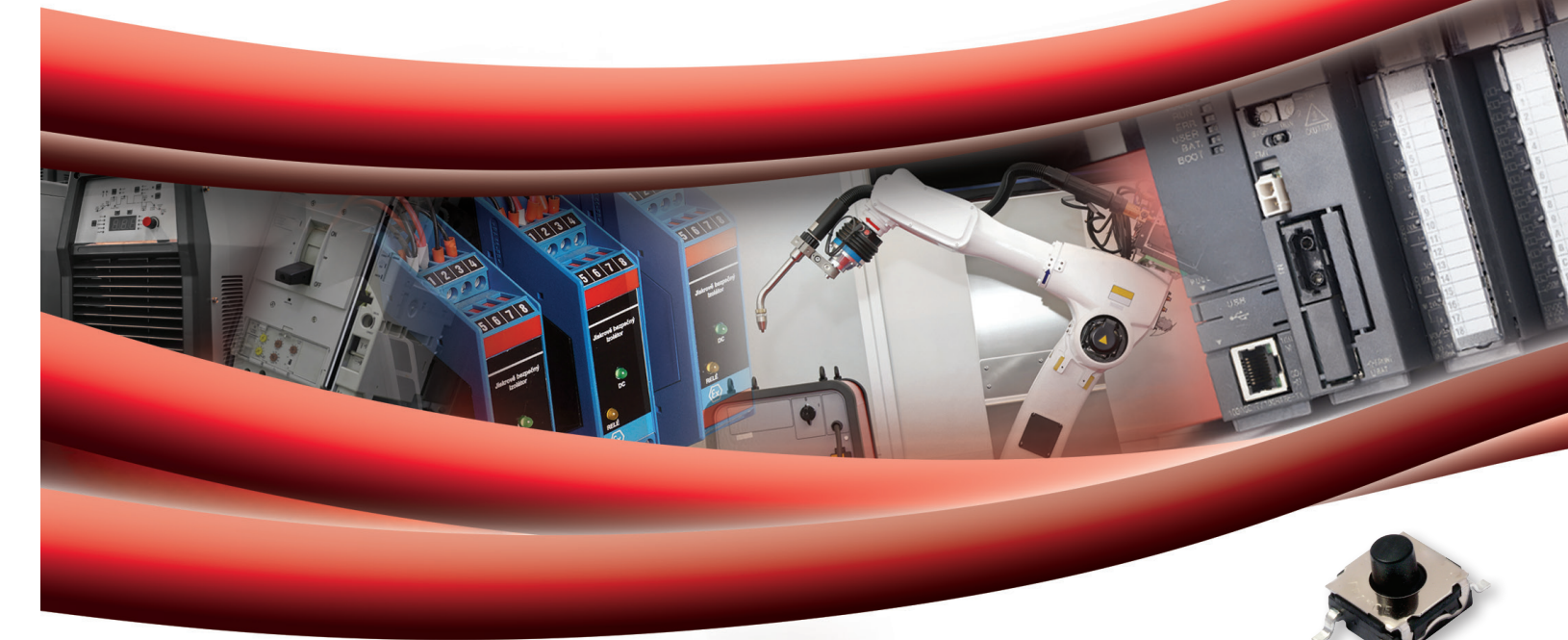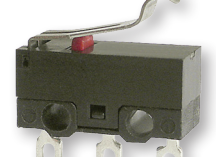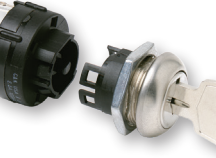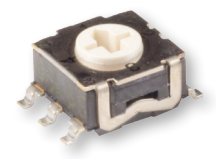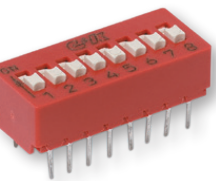
AMERICAS
Tel: +1.617.969.3700

ASIA
Tel: +852.3713.5288

EUROPE
Tel: +33.1.60.24.51.51

SWITCH SOLUTIONS FOR FACTORY AUTOMATION APPLICATIONS

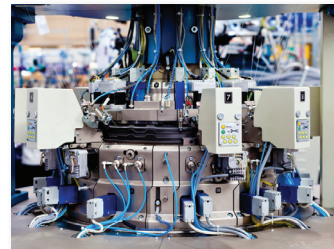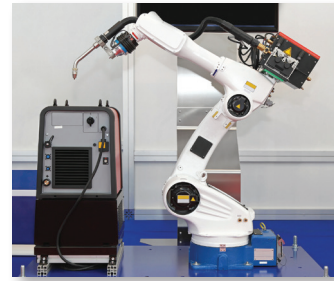|	DIP	Rotary	Slide	Tact	Snap	Rocker	Keylock	Pushbuttons
Low Voltage Motor Drives	●	●	●	●				
High Voltage Cabinets					●			●
PLC/PAC	●	●		●				
CNC Machine Controls	●			●			●	●
Motion Controllers		●	●			●	●	
Servo Systems	●			●				
Network & Communication	●	●						
Power Supplies			●			●		
Protection Relays	●	●	●					●
Manual Motor Starters		●	●	●				●
Soft Starters		●						
Circuit Breakers	●	●		●	●			●
Timing Relays		●	●	●				
Safety Relays		●		●				●
Signal Conditioners	●	●		●				
Robotics Controllers	●					●	●	●
Sensors & Switches		●			●			

DESIGNING TECHNOLOGY INTO SOLUTIONS

Performance, reliability, and durability are key requirements for keeping industrial equipment up and running. With production lines running 24/7, factory managers understand the high cost of machine down time.

C&K products, with their reputation for high quality and long cycle life, are ideally suited for demanding applications in harsh environments. By working directly with customers, C&K provides application specific, custom solutions to our customer's most challenging requirements.
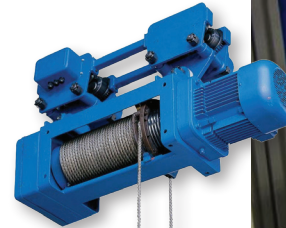
Automation and Control

- PLC / PAC
- Inverters & drives
- Motion controllers
- Motor starters
- Protection relays
- Timing relays
- Programmable relays
- Circuit breakers
- Power supplies
- Signal conditioners
- Pneumatics / valve controls
- Sensors and switches

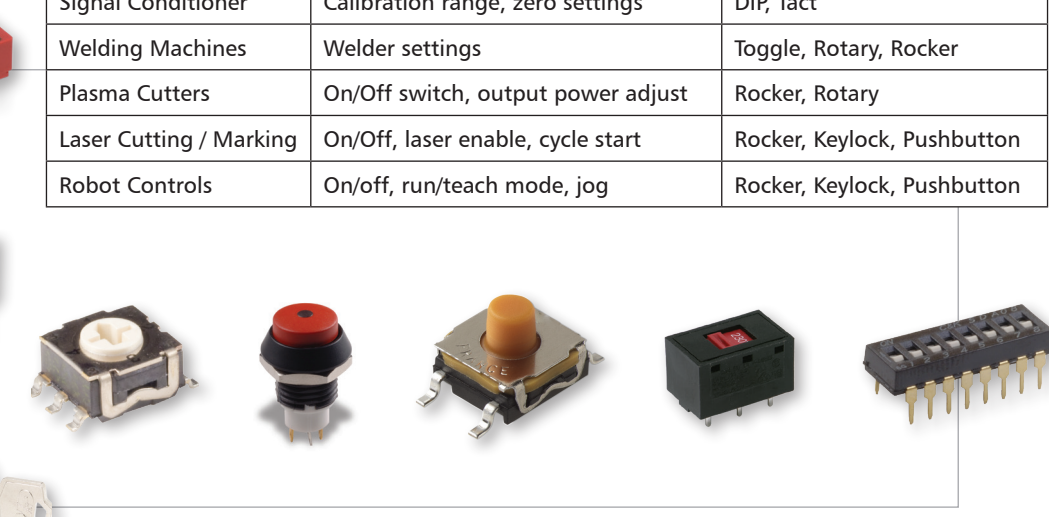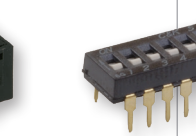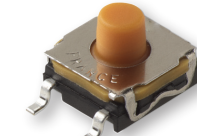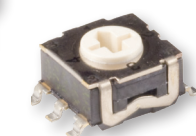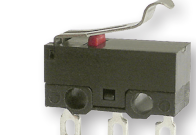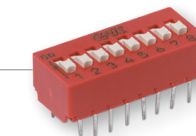## Processing Equipment & General Machinery

- CNC machines
- Robotics
- Automated assembly equipment
- Process automation
- Semiconductor equipment
- Welding & cutting machines
- General machinery
- Marking equipment
- Material handling
- Cranes & hoists

C&K Switch Solutions

- Inverter drive configuration
- Input voltage selection
- Encoder and potentiometer controls
- Network node address selection
- Operating mode selection
- Door interlock & machine safety
- Trip class settings
- Auto/manual reset selection
- Trip current adjustment
- Time delay settings
- Input/output signal adjustment
- On/Off switches
- Test & reset function
- Bus termination
- Trip status indication
- Custom switch assemblies

APPLICATION	FUNCTION	SWITCHES
Inverters	Inverter config, motor frequency	DIP
Inverters	Input/Output signal selection (V/A)	Slide
Inverters	Bus termination, network address	DIP
Inverters	Potentiometer, encoder settings, MMI	Slide, DIP, Tact
Inverters	Servo/Vector control selection	DIP, Slide
PLC	Mode selection (run/stop/program)	Rotary, Toggle
PLC	Network address setting	DIP
PLC	I/O Module lock, unlock	Toggle
CNC Controls	PLC mode select, NC commissioning	Rotary DIP
CNC Controls	Network address setting	DIP
CNC Controls	Program protect, start/stop	Keylock, Pushbutton
Overload Relay	Motor current, trip class settings	Rotary DIP
Overload Relay	Stop/Reset switch, Test button	Tact, Pushbutton
Overload Relay	Auto/manual reset select	Slide
Safety Relays	Delay settings	Slide, Rotary DIP
Safety Relays	Test button	Tact, Pushbutton
Timing Relays	Delay settings	Rotary DIP
Motor Starter	On/Off switch, motor current settings	Rocker, Rotary DIP
Motor Starter	Test button	Tact, Pushbutton
Circuit Breaker	Configuration switches	DIP, Rotary DIP
Circuit Breaker	Test button, trip status indicator	Tact, Pushbutton, Snap
Power Supply	On/Off switch, input voltage selection	Rocker, Slide
Power Supply / UPS	Output current, time delay selection	Slide, Rotary DIP
Control Cabinet	Door interlock switch	Snap
Hoist/Winch	Controller	Pushbutton, Toggle, Keylock
Cycle Counters	Program, reset buttons	Tact, Pushbutton
Pressure Transmitter	Mode, set switch	Tact, Pushbutton
Photoelectric Sensor	Time delay, light on/dark on selection	Rotary DIP, Slide, DIP
Signal Conditioner	Calibration range, zero settings	DIP, Tact
Welding Machines	Welder settings	Toggle, Rotary, Rocker
Plasma Cutters	On/Off switch, output power adjust	Rocker, Rotary
Laser Cutting / Marking	On/Off, laser enable, cycle start	Rocker, Keylock, Pushbutton
Robot Controls	On/off, run/teach mode, jog	Rocker, Keylock, Pushbutton

C&K