

CAPABILITIES

CSS (Connecticut Spring & Stamping) has been a trusted global leader in custom precision springs and stampings for 85+ years. Our expertise in early engineering, design collaboration, and prototyping helps companies develop innovative and reliable manufacturing solutions.

PROGRESSIVE STAMPING

- Tight tolerance, complex stampings
- Secondary press for extra features
- Large press beds for complex tools, press range: 30-330 tons
- Material thickness: .004" to .250", stock width up to 24"



SPRINGS

- Short-run & prototype production
- Wire diameters: .004" to .350"
- Compression, extension, magazine, wire forms and more



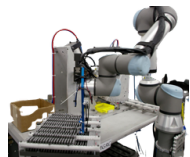
TOOLING & ENGINEERING

- Prototyping & design collaboration
- Full tool building
- Progressive, fineblanking, short run, and fourslide



ASSEMBLIES

- Staking, welding, pressing, fastening, riveting, crimping, and more
- Sourcing and integrating non-metallic parts into assemblies



CSS is more than a manufacturer; we're a trusted partner.

CNC-MACHINING

- Tight tolerances where precision is critical
- CSS produces smooth edges on windows, slots, and holes
- Capabilities include small diameter holes, edge-near holes, slots, tabs, and milled surfaces



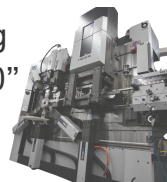
FINEBLANKING

- Tight tolerance flatness
- Small holes or features near edges
- Superior sheared edge condition vs. traditional stamping



FOURSLIDE

- Cost effective strip to width
- Alternate to progressive stamping
- Flat stock thickness: .005" to .160"
- Flat stock width: .080" to 3.500"
- Wire diameter: .010" to .240"



WELDING

- Automatic resistance welding system
- Slimline press welder
- Ultrasonic, EB, automated, and spot welding



Worldwide Reach

Serving customers in 30+ countries with expert engineering support for springs & stampings.



AMERICAS | ASIA | EUROPE

860.677.1341



GLOBAL LEADER IN PRECISION SPRINGS & STAMPINGS



INDUSTRIES WE SERVE



ELECTRONICS

CSS offers product development, prototyping, and manufacturing solutions for both high and low-volume production to OEM’s like Siemens, Eaton and Lutron.

COMPONENTS

Finger Assemblies | Yokes | Clock/Extension/Torsion and Compression Springs | Bus Bars | Handle Locks | Circuit Breaker Shunts | Shaft Assemblies



Additional Medical Brochure Available

MEDICAL

CSS supplies medical device OEMs with precision springs, stampings, and machined parts for surgical and drug delivery systems.

ISO 13485-certified, we prioritize early engineering involvement and collaboration.

COMPONENTS

Auto Injectors | Continuous Glucose Monitoring | Instruments | Endoscopy | Electrosurgery | Orthopedic | Auto Injectors | Drug Delivery Systems | Pulse Oximetry



TRANSPORTATION

CSS offers design assistance, prototyping, and high-volume production of metal springs and stampings. Compliant with ISO/TS 16949, we utilize APQP, PPAP, FMEA, MSA, and SPC methods to ensure quality and precision.

COMPONENTS

Clutch-Compression-Conical & Flat Springs | Injector Clips | Yokes | Retaining Clips | Lock Rings |



AEROSPACE

AS9100D registered and ITAR-EAR compliant, CSS specializes in precision aerospace parts for engines, instrumentation, flight systems, and cabins.

COMPONENTS

Blade Locks | Retention & Tension Clips | Spring Regulators | Tension Clips | Clutch & Compression Springs | Retaining Rings



CONSUMER PRODUCTS

ISO 9001:2015 certified, CSS offers design assistance, prototyping, and high-volume production of complex springs and stampings. Our expertise in progressive stampings, fine blanking, fourslide parts, and wireforms makes us a trusted supplier to OEMs like Stanley Black & Decker, Procter & Gamble, Shure and Zippo.

COMPONENTS

Detent/Compression/Double Torsion & Extension Springs | Retainer Rings | Spring Charge Rolls | Shutter Cartridges | Contact-Dev | Contact Blades | Auger Wireforms | Battery Contacts



Additional Firearms Brochures Available

DEFENSE & FIREARMS

CSS offers engineering, advanced tools, and production solutions, offering design support, prototyping, assemblies, and custom components. As an approved government supplier, we meet strict industry standards with certifications like FFL, ITAR, EAR, DDTC, and CAGE Code, producing original and replacement parts for AR-15/M16/M4 and AK family of firearms.

COMPONENTS

Sights | Rings | End Plates | Latches | Magazine Springs | Slide Stop Assemblies | Magazine Tube Assemblies | Receivers | Recoil Springs | Trigger Bars



Precision Crafted, Globally Trusted—From Prototype to Production.