

## FEDERATED ADVANTAGE

Federated Precision is planned as a nationwide system of federated manufacturing facilities incorporating the latest highly automated and robotic machine tools under the umbrella of our centrally managed business operations center in Deerfield Beach, FL.

We are a precision part manufacturing start-up led by entrepreneurs with deep subject matter expertise in the manufacturing requirements of aerospace, medical and energy parts.

**Fed' • er • at • ed**: *Joined in order to meet complex organizational requirements for application specificities, integrity constraints and security.*

## LEADERSHIP

Federated Precision, our leadership team represents more than 200 years of applied experience in the following functional areas:

- Mechanical Engineering
- Information Technology
- Nuclear Engineering
- Industrial Engineering
- Business Administration
- Computer Science

## COMMAND & CONTROL

Federated Precision's system of facilities is centrally guided from our Business Operations Center.

The result is a fully-integrated business and manufacturing model that leverages the latest in multi-axis machining technologies, factory automation and advanced ERP software.

This system enables FP to bid both small and large volume parts manufacturing jobs across the country using classic operations management methods to maximize efficiency.

### Initial Equipment Array:\*

- **7-Axis Dual Channel Swiss and Sliding Headstock** main and sub spindle 20 mm swiss and swiss/style, convertible to both configurations.
  - Concentricity between main and counter- spindles of better than .0005" with transfer.
  - Roundness better than 0.000050".
- **8-Axis Dual Channel Sliding Headstock** main and sub-spindle 42 mm sliding head stock.
  - Concentricity between main and sub- spindles of better than 0.0005" with transfer.
  - Roundness of better than 0.000050".
- **5-Axis Mill with 6 sided capability**, 24K RPM Mill head with an integrated 6,000 RPM lathe spindle with 65 mm through bore.
  - Capable of full 5-axis contour milling.
  - Ideal for complex milled parts such as valve bodies, solenoid housings, medical parts like spinal implants, etc.
- **5-Axis Mill** with 12,000 RPM Spindle and a 2000 RPM rotary table.
  - This unit supports parts to 16" diameter milled parts which also require turning such as pump housings, etc.

- 4 sided pallet solution for volume driven applications.
- **Zeiss Contura CMM with Calypso.**
  - For Planning and Simulation
- **Kaaser ASD-30 Screw-Type Air Compressor** with dryer and oil separator.
- **Reciprocating Compressor** — Redundant Air Supply.
- **Manual Tool Room Mill.**
- **Manual/CNC Tool Room Lathe.**
- **Automatic Surface Grinder.**
- **Automatic Tool Setter with stereo cameras for diameter, length, and centerline.**

### Business & Manufacturing Information Systems:

- **Microsoft Dynamics AX ERP** system on a SQL backend.
- **Esprit CAM** with post processors for all machines.
- **SolidWorks CAD.**
- **Calypso CMM.**

## MaaS

Manufacturing as a Service<sup>SM</sup>

**You've heard of SaaS, or Software as a Service.**

That customer-service ideal is behind Federated Precision's introduction of MaaS, or Manufacturing as a Service.

Federated Precision is positioning its assets to bring you manufacturing on demand.

**MaaS, or Manufacturing as a Service, is a Dual Sourcing opportunity — and an insurance policy.**

Federated Precision customers contract us to deliver first article hardware to validate our capabilities to serve as the backup resource for identified high risk components, prove process; and from then on, we're there as a backup resource when needed. **This is risk reduction at its finest.**

Scheduling is hard enough — keep machined components **out of the critical path to avoid costly delays** with contingent manufacturing.

A MaaS customer can call Fp. We make the part — *because we are already qualified* — and we ship it out as quickly as the next day using **reserved** capacity.

**It's smart contingency planning** — *it's a new way to operate.*

- **SharePoint** for Document Management and Workflows.
- **Fully Hosted IT Data Solution** with combination of physical servers and VMware.
- **SPC** via QCCalc, Microsoft AX, & VisualFAIR.
- **Extensive Library of Written Quality Manuals**, Operating Procedures and System Data Visio Flows.

### HQ Facility — 24,000 Square Foot Space in Deerfield Beach, FL

- 20,000+ Square Foot Manufacturing Space which will accommodate Manufacturing Facilities 1 and 2.
- 8,000 (4,000 second story) Square Feet allocated for Corporate HQ and the Manufacturing Operations Center.

(\*As of 1 Oct 2011)

Let us help you Navigate the Challenges in meeting the Mission-Critical Manufacturing Demands you face.

Call (561) 288-6500 or email [info@FederatedPrecision.com](mailto:info@FederatedPrecision.com) to make contact.

