

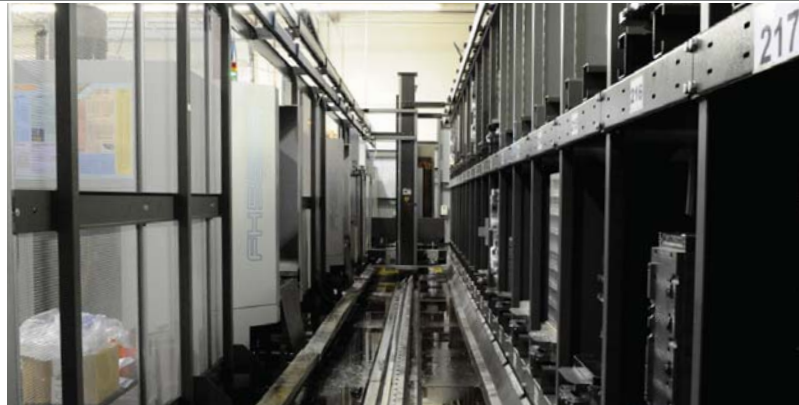
# Equipment List

## → HORIZONTAL MILLING DEPARTMENT

**3 MACHINE HITACHI CELL SYSTEM** includes two loading stations, 180 tool matrices per machine, 32 pallet pool, SPC capability on each machine and a tool management control. The work envelope for all three machines is 26.8" cube. Full 4th axis equipped.

One stand-alone **HITACHI MILLING CENTER** with identical working parameters as the cell machines.

**3 TOYODA FA550R CELL SYSTEM** with a 29.5 x 29.5 x 23.6 work envelope. 50 Taper, 230 tools, two load stations, 34 pallets, Renishaw probes on all three machines, tool management and full 4th axis on each machine.



## → VERTICAL MILLING DEPARTMENT

Includes a work envelope up to 30" x 60" travel, a pallet changer on OKK machine and a Fanuc Robo-Drill.

## → LATHE DEPARTMENT

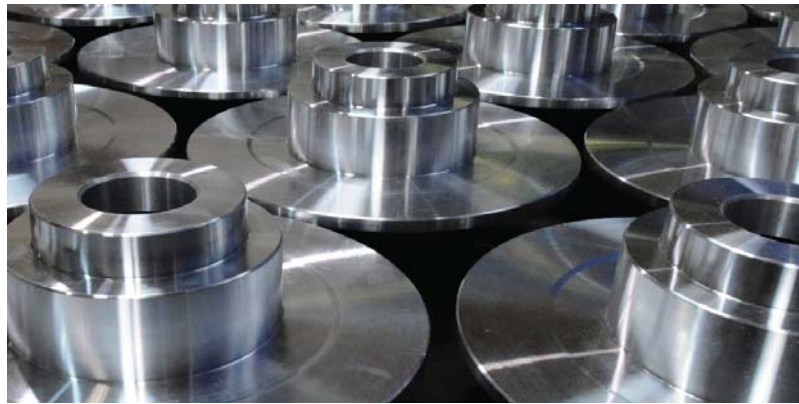
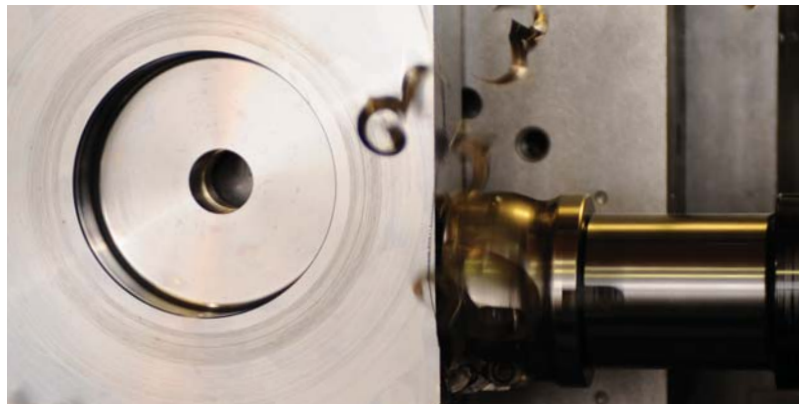
One bar fed turning center, up to 2" bar stock diameter.

Work envelope up to 25.4" maximum diameter by 39" swing and a 43" maximum turn length.

**NAKAMURA-TOME SC-250M(Y)** turning center with Y axis for milling, 2.5" bar capacity, maximum turn diameter of 11.8", maximum length of 19.65". Y axis slide = 1.61"

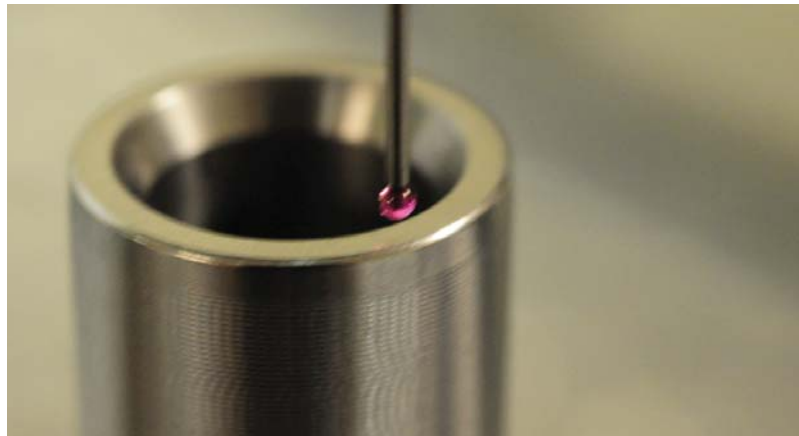
### **TW 10 NAKAMURA-TOME, TWIN SPINDLE, TWIN TURRET**

Full C-Axis on both spindles, 12 milling stations on both turrets and a Y-Axis on left turret. 2" capacity on the left spindle and a 1.5" capacity on the right spindle and a five foot servo feed bar feeder.



## → QUALITY DEPARTMENT

**ZEISS CNC CMM** with a work envelope of 15" x 15" x 12".  
**MITATOYO CMM** with a work envelope of 28" x 24" x 17".  
Optical comparator calibrated to NIST.



# Technological Solutions

## ISSUES

- OBSOLETE INVENTORY
- IMPLEMENTATION REVISION CHANGES
- COST EFFECTIVE DESIGNS
- VARIED LOT SIZES FOR PRICE BREAKS
- QUALITY

## BEST PRICING

With either of our palletized cellular machining systems (Toyoda or Hitachi) we are able to have virtually an endless number of jobs set up and able to run at a moments notice.

## TAKT TIME

Because the job remains set up for the life of the project, we can offer you bulk pricing for smaller lots and deliver parts only as you need them - we just need to know your weekly or monthly demand.

## LOW RISK

This reduces your inventory and all of the associated costs and risks that having excess of inventory. We don't stock inventory either, so if your engineers decide they want to make a revision, there will not be issues regarding large quantities of obsolete parts that you would find in traditional large batch manufacturing systems.

## DFM, DESIGN FOR MANUFACTURABILITY

We are experts at helping our customers arrive at the most cost effective designs. Many of which have resulted in thousands of dollars worth of savings.

## QUALITY

We are able to provide detailed CMM reports from our Zeiss CMM so your quality department has clear, concise information regarding your parts. We prefer to cater our inspection plan to match our customers receiving incoming inspection to help streamline the process.

## SOLUTIONS

- STATE OF THE ART MACHINING EQUIPMENT
- TAKT TIME - WE PRODUCE ONLY AS YOU NEED DELIVERIES
- DFM SERVICES - DESIGN FOR MANUFACTURABILITY
- BEST PRICING MATCHES YOUR BUILD SCHEDULE



# Lean Solutions

## ISSUES

- CARRYING EXCESS INVENTORY
- LATE DELIVERIES
- PACKAGING MATERIALS
- INVENTORY COUNTING
- INVENTORY TRACKING AND STORAGE
- RECEIVING COUNTING

## SOLUTIONS

- JIT - JUST IN TIME DELIVERY
- KAN BAN
- PULL SYSTEM
- KITTING

### KITTING - JIT

We worked with a bike manufacturing company to create a kitted bin rotation system that helped streamline their weld process, provide them with 48 hour replenishments, and ensured all the parts needed on the weld line were there before assembly started.

### PULL SYSTEM - CASH FLOW

This kitting improved their throughput, previous to implementing this hours were lost looking for the correct parts, or the weld line would have to stop due to missing components. Contact Sunset sales for a more detailed description on how we can setup this type of system for you.

### LEAN IS GREEN

Over the life of one project it is estimated that we have saved over \$15,000 in packing materials using true "kan-ban" bin rotation systems, and eliminated tons of wasted packaging materials from getting into landfills.

### SET UP REDUCTION

Sunset has invested extensively in quick change fixtures to use on any of our milling centers including the verticals, this reduces the amount of time it takes to go from one job to another so that we can be very responsive to your delivery and capacity needs.



# Management Solutions

## ISSUES

- MRP SYSTEM
- TRACKING MULTIPLE PO'S
- MULTIPLE VENDOR TRACKING
- INVENTORY VERIFICATION
- ACCOUNTING & INVOICING
- SHIPPING
- CASH FLOW

## SOLUTIONS

- LOCAL FACE TO FACE RELATIONSHIPS
- EXPERIENCED AND COMMITTED PEOPLE
- PRODUCTION TO MATCH YOUR NEEDS
- "PULL" SYSTEM BASED PRODUCTION
- PROJECT BASED INVOICING OFFERED
- ENSURING MULTIPLE PART NUMBERS ARE READY WHEN ASSEMBLY NEEDS ALL OF THEM

## EXPERIENCE

We build relationships with our customers. It's vital for Sunset to know what you need in order to design our processes to serve as an extension of your business operations.

## CUSTOMIZATION

We take the time to learn about your business and we constantly devise new ways to help you deal with all of the issues regarding timing, shortages or overages, quality and costs.

## JIT - PULL - KAN BAN

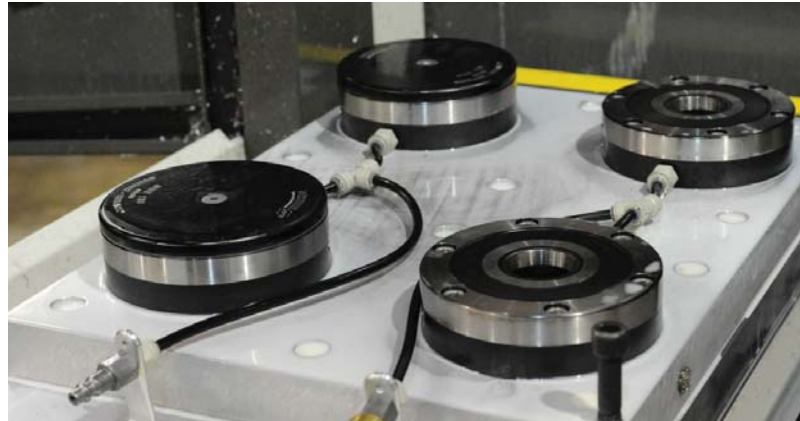
By utilizing kan ban and pull systems we can ensure that you will never be unexpectedly out of the components you need in order to run your business. Likewise we can also ensure that you don't find yourself sitting on an abundance of pricey useless inventory.

## SUPPLIERS

We expect the same of our Suppliers, so you know that outside processing will be handled by us just as if it were our own business.

## STANDARDIZATION

A tool we use often, for example we will determine best practices for many processes such as packaging your parts so your personnel will know exactly what the count is based on the standard package arriving in regular intervals.



# Cost Reductions

## HAVE YOU BEEN TASKED WITH FINDING COST REDUCTIONS?

WE HAVE INTEGRATED MANAGEMENT, LEAN CONCEPTS AND TECHNOLOGY TO SOLVE THESE COSTLY ISSUES:

- Inventory tracking and storage
- Incoming receiving counts
- Multiple invoicing
- Cost accounting
- Implementing revision changes
- Cost effective designs
- Shipping charges
- Expedite or overtime charges
- Carrying excess inventory
- Obsolete inventory
- Late deliveries
- Packaging materials
- Multiple purchase order tracking
- Multiple vendor tracking
- Year end inventory headaches
- Material turns

Sunset can help reduce costs associated with these. To find out how, take a quick look inside this brochure. Our case studies will help illustrate how we are proactively helping our customers save time, money, and unnecessary backtracking.