

Stellar Industries Corp.

Company Overview

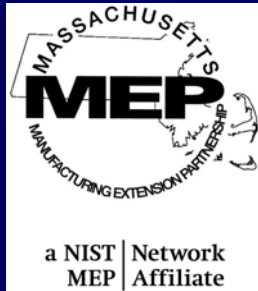
- On-Time Delivery - 91%
- Less than 1 % return rate
- Quality System - approved to Mil-Std-I-45208A
- Computerized Production Control & Inventory Management
- Material/process lot traceability for each order
- Facility occupies ~ 25000 square feet
- Capacity - operating one shift
- 28 Employees

Capabilities

- Submounts
 - Alumina, Aluminum Nitride, Beryllium Oxide
- Ceramic Machining
 - Lapping, Polishing, Laser Drilling, Scribing, & Diamond Dicing
- Direct Bond Copper on Ceramic
- AuSn eutectic deposition process
- Class 100 capable clean room
- Metalization
 - Thin Film, Thick Film, Refractory Metalizations, Copper Plate-up, & Wrap around metalization
- High Power/High Current Vias, Heat Spreaders

Lean Manufacturing Program

- Completed company wide six month training program by The Commonwealth of Massachusetts/MEP
- Kaizen Focused Improvement Workshop
- Realized benefits of Lean
 - Reduced cycle time, inventory, and WIP
 - Increased capacity and productivity
 - Improve lead times and quality



Certificate of Completion

Presented to

Stellar Industries Corp.

Company

*In recognition of having completed a Lean Manufacturing
Training and Implementation Program Involving:*

**All Employee Training In Lean Manufacturing, Value
Stream Mapping and Kaizen Implementation**

Kevin Smith
MassMEP Project Manager

April 2005

Lapping machines for ceramic lapping



Spider lapping of ceramic substrates for nesting

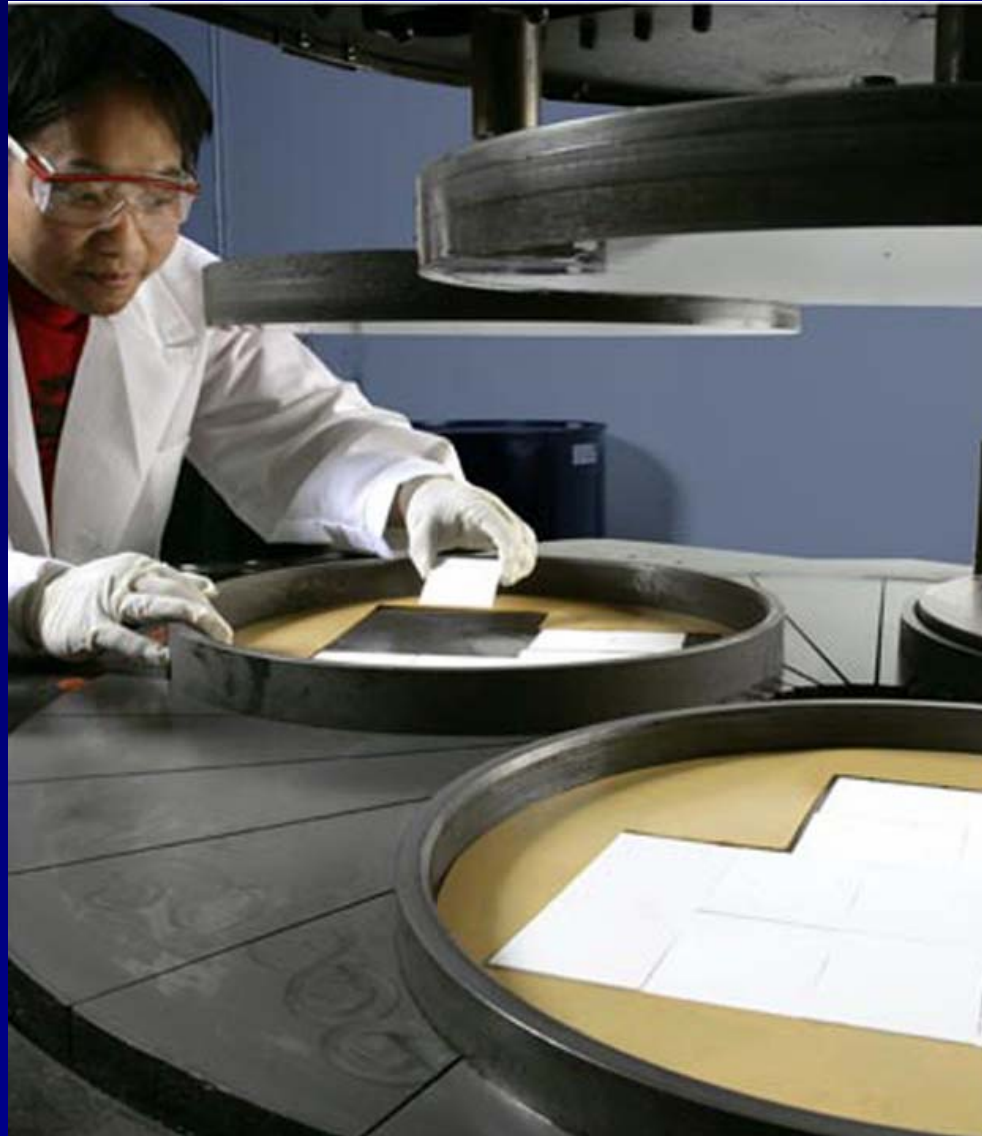


Photo Lithography



Double-sided UV mask aligner & exposure station



Direct Bond Copper Furnaces lamine copper foil to ceramic substrates



Brazing furnaces for lead frames and 12 zone thick film BTU belt furnace



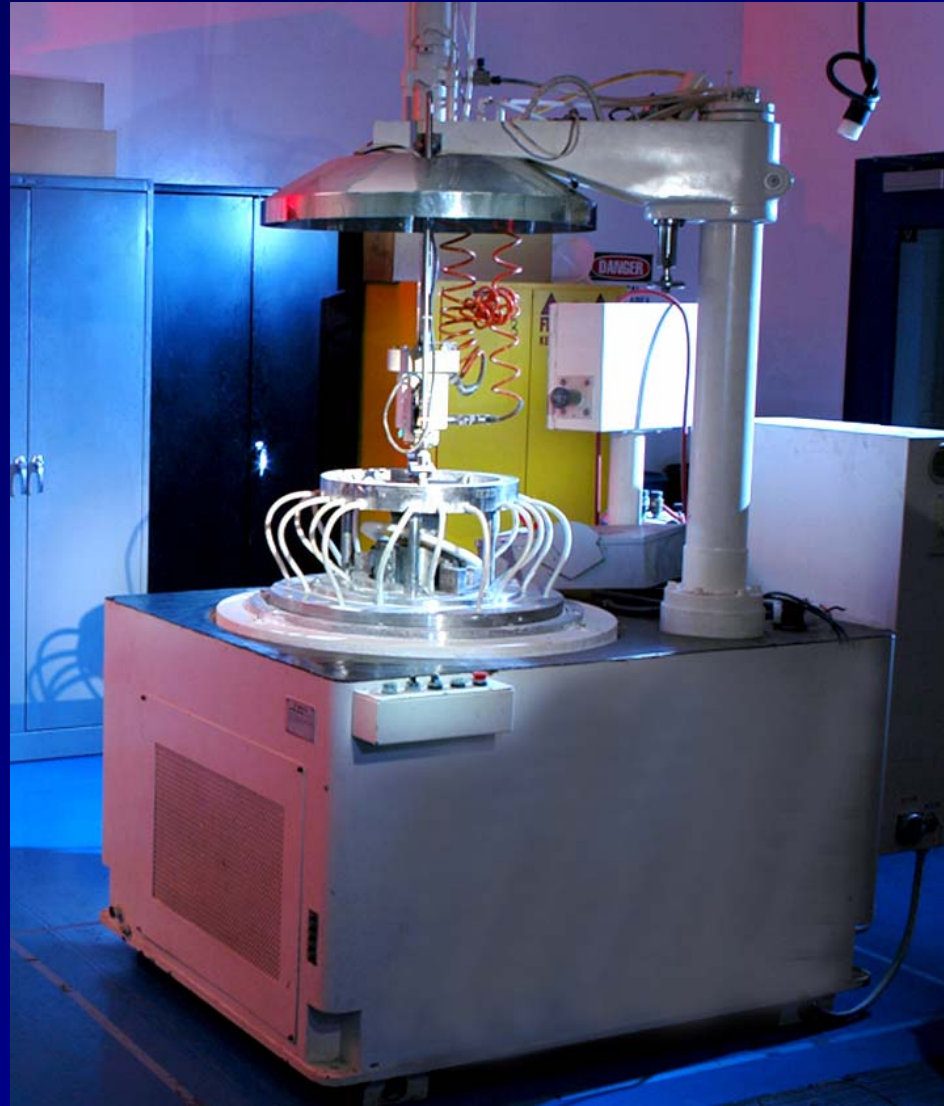
Clean Air Fire Furnace – 1150/1350°C firing of ceramics



CNC Profile Grinder



Double sided lapping/polishing machine



Polishing Machines

ultra smooth, sub-micron ceramic polishing



Ion Beam Milling

exact and precision etching of critical features



Au/Sn PVD Chamber



Thick Film Screen Printer with alignment vision system



E-Beam Equipment



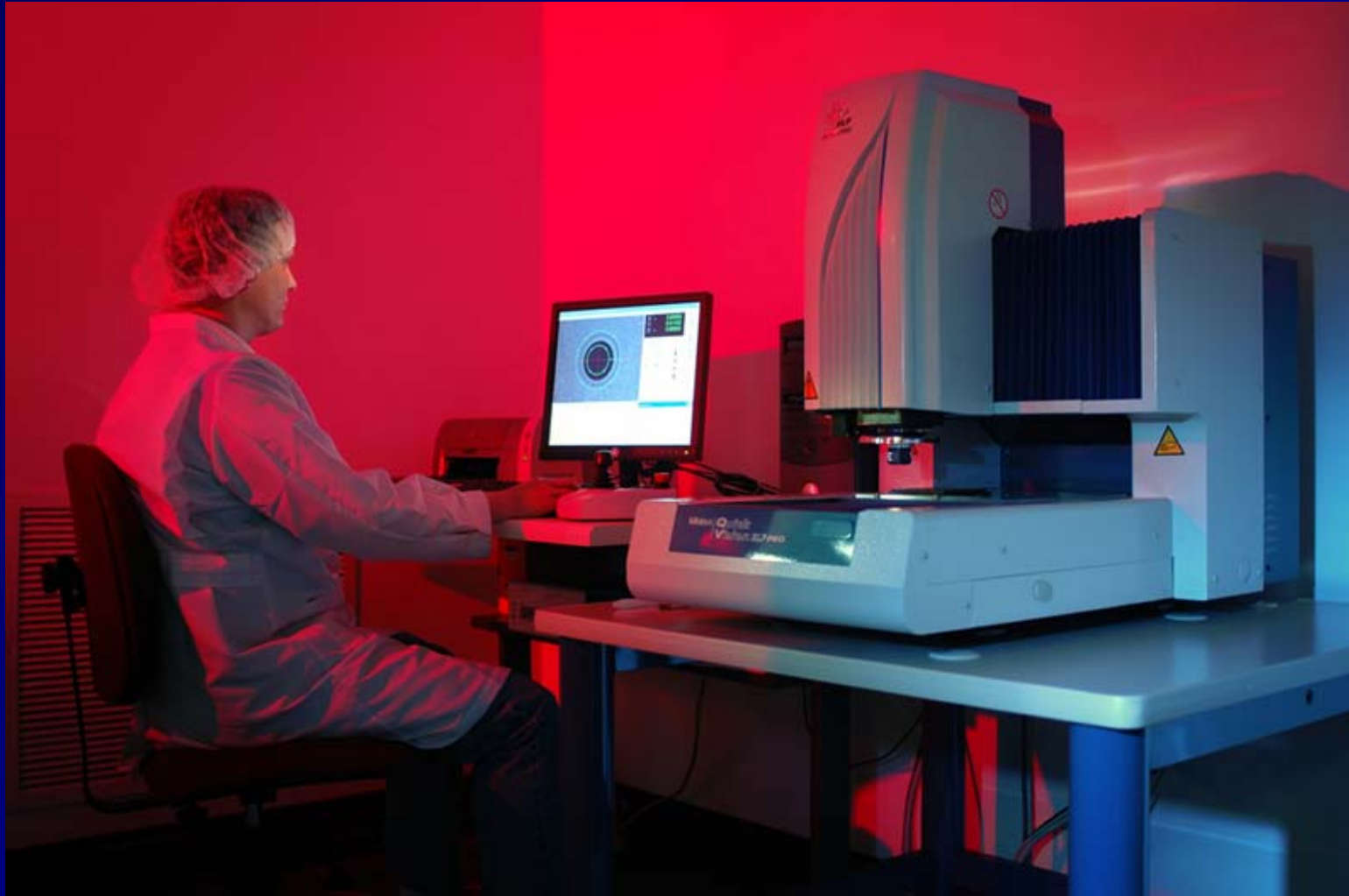
Substrates in planetary system for E-Beam evaporation



Computerized Production Control & Inventory Management



Mitutoyo Elf Vision System co-ordinate measuring vision system



Waffle packed substrates for final QC packing inspections



Quality Control Inspection



Thank you

for your interest in

Stellar Industries Corp.