

Chronix Solution always takes one step further to satisfy customer's objectives, which has been beyond imagination with the cutting-edge processes and the quality of products and manufacturing. That makes Chronix the sole solution.

COMPACT MACHINING CENTRE

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we are CHRONIX

For the past 22 years, Dong Yang Machine Tools has grown steadily, but as the solid company. Started as the CNC machine sales branch office, we built up as a total solution company, Chronix. From the product development to CNC machine, jig fixture, factory automation, utilities, and tools, Chronix engaged in all processes to make a real total solution for the customer.

Chronix has been responding flexibly to changes in the market with a customer-centric mindset. Our ultimate target is what the customer seeks. Chronix Solution built the diverse types of automation lines, mainly manufacturing vehicle bearing hub and transmission parts.

We do not simply sell CNC machines and the automation lines. Chronix Solution provides the engineering design service, while lowering actual cost per project to become a reliable partner.

Chronix is looking forward to meeting customer's highest profit with special components. The cost reduction and productivity improvement are keys to operate Chronix solution. To reach the low quantities on the high volume of product types projects, the compatibility between all components has been maximized.

We guarantee that Chronix is always with the customer even after sales, designs from customer's perspective, and leads to the final goal of the customer.

Production Cost

Minimization of Fixed Spend

※ Designing suitable cutting tools which produce a lowest running cost for the specific projects guides the maximization of customer's profit.

Compatibility

Flexibility on Similar Models

※ Establishment of the production system for the high volume of small quantities by a compatible design of automobile manufacturer.
※ Ability to respond to changes in the production quantity.



Rate of Operation

Building a Minimal Downtime

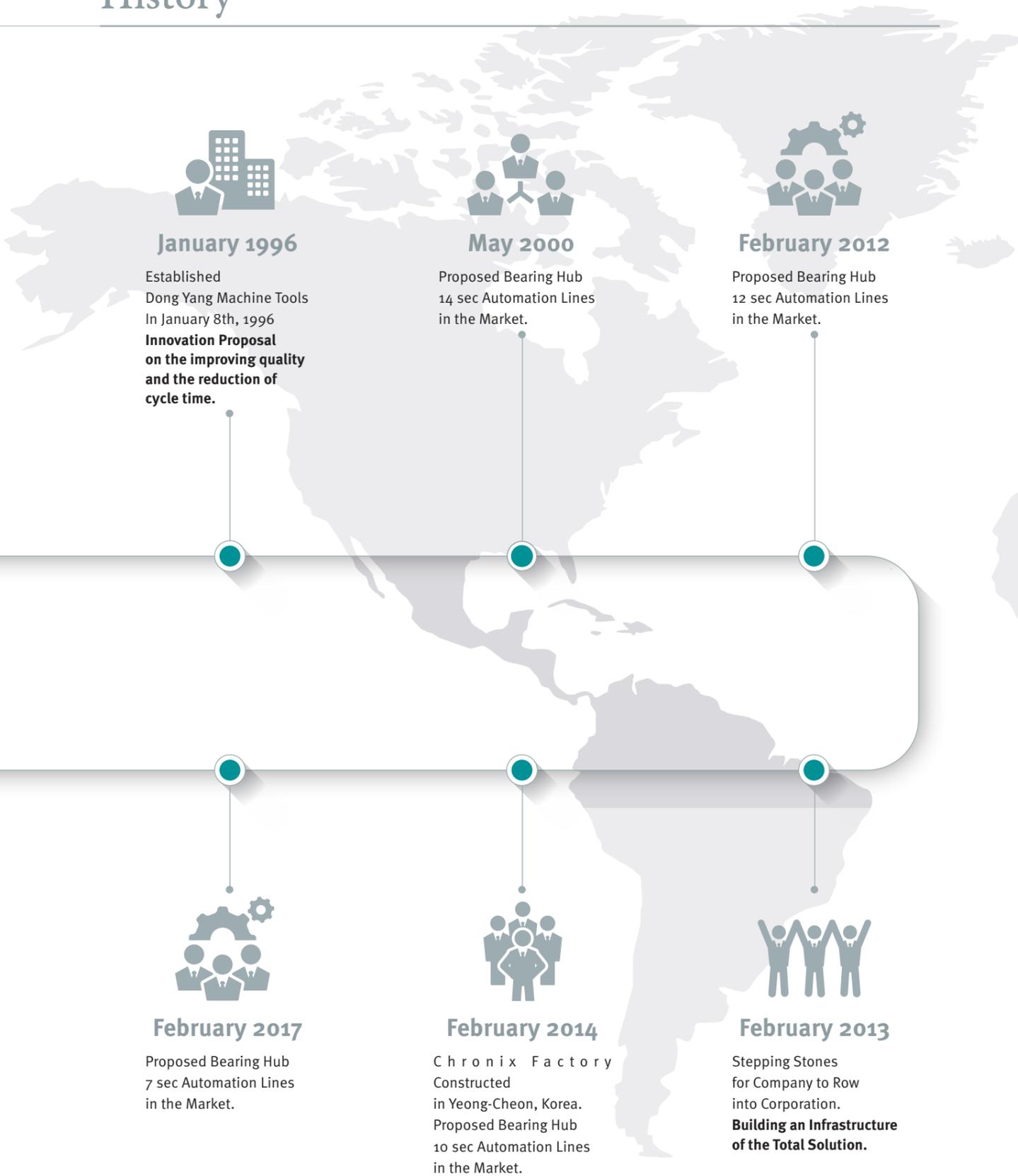
※ Based on the rich experiences and former data, we proudly make the high rate of the operations.
※ Assigning specific expert advisor on each project, we bring prompt post-management.

Expertise

Assigning Specific Experts to Communicate

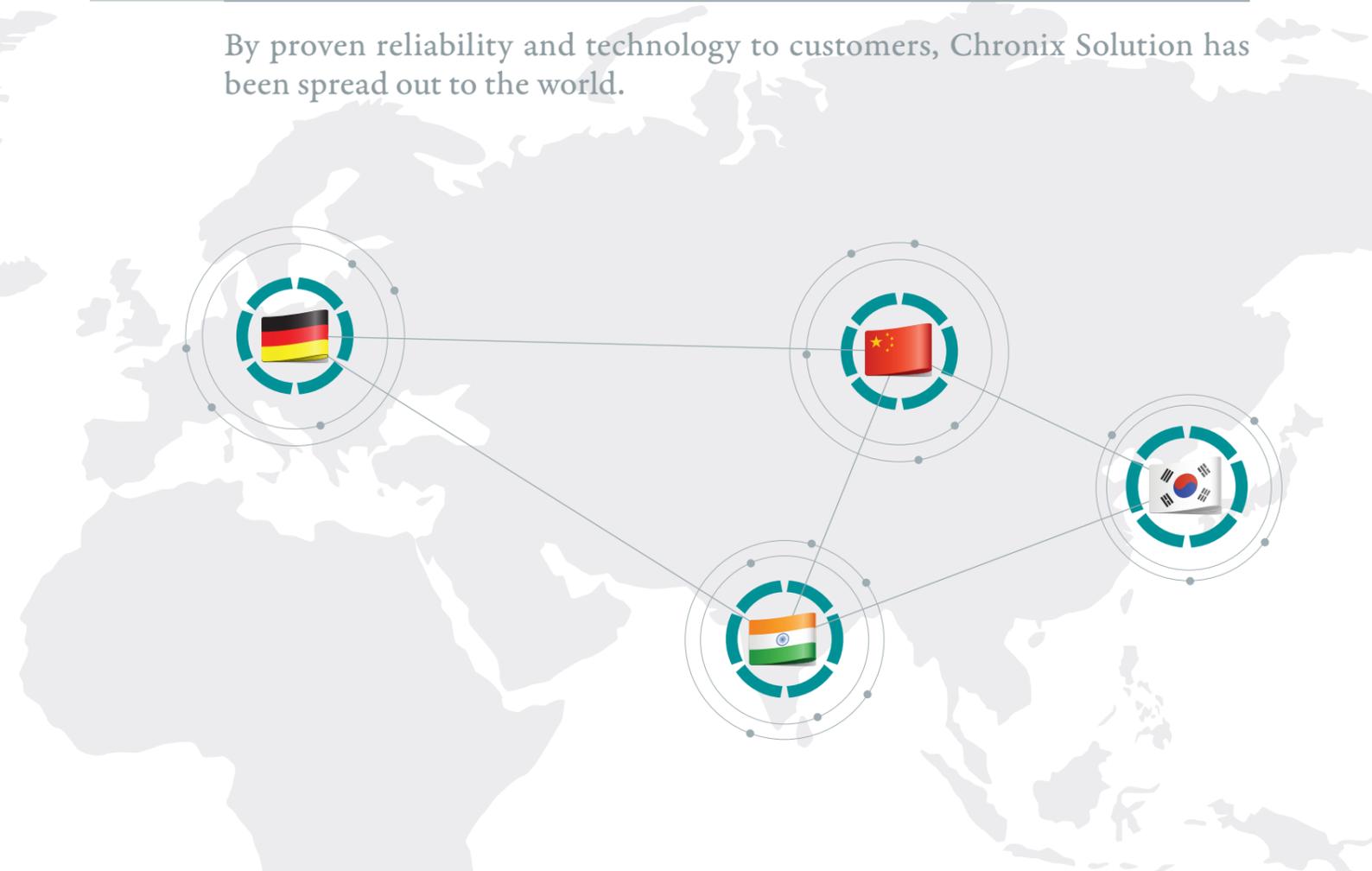
※ Entire advisors have full knowledge of Brother Machines, factory automation, jig fixture, toolings, and utility and control all steps, the first consultation to the after service.

History



Global Market Share Status

By proven reliability and technology to customers, Chronix Solution has been spread out to the world.



Domestic and Overseas Major Automation Lines

- Bearing Hub 14 sec Automation Line System**
- _ 30+ Automation Lines in Korea
 - _ 4 Automation Lines in China
 - _ 8 Automation Lines in Germany

- Bearing Hub 12 sec Automation Line System**
- _ 10 Automation Lines in Korea
 - _ 8 Automation Lines in China

- Bearing Hub 10 sec Automation Line System**
- _ 10 Automation Lines in Korea
 - _ 8 Automation Lines in China
 - _ 2 Automation Lines in India

- Transmission Parts Automation Line System**
- _ 14 Automation Lines in Korea
 - _ 2 Automation Lines in China

Business Direction

We suggest the best automation line method, Chronix Solution.



The priority of Chronix's business direction is maximizing customer's credit and profit through reasonable design and the production with the post-management.

Business Field

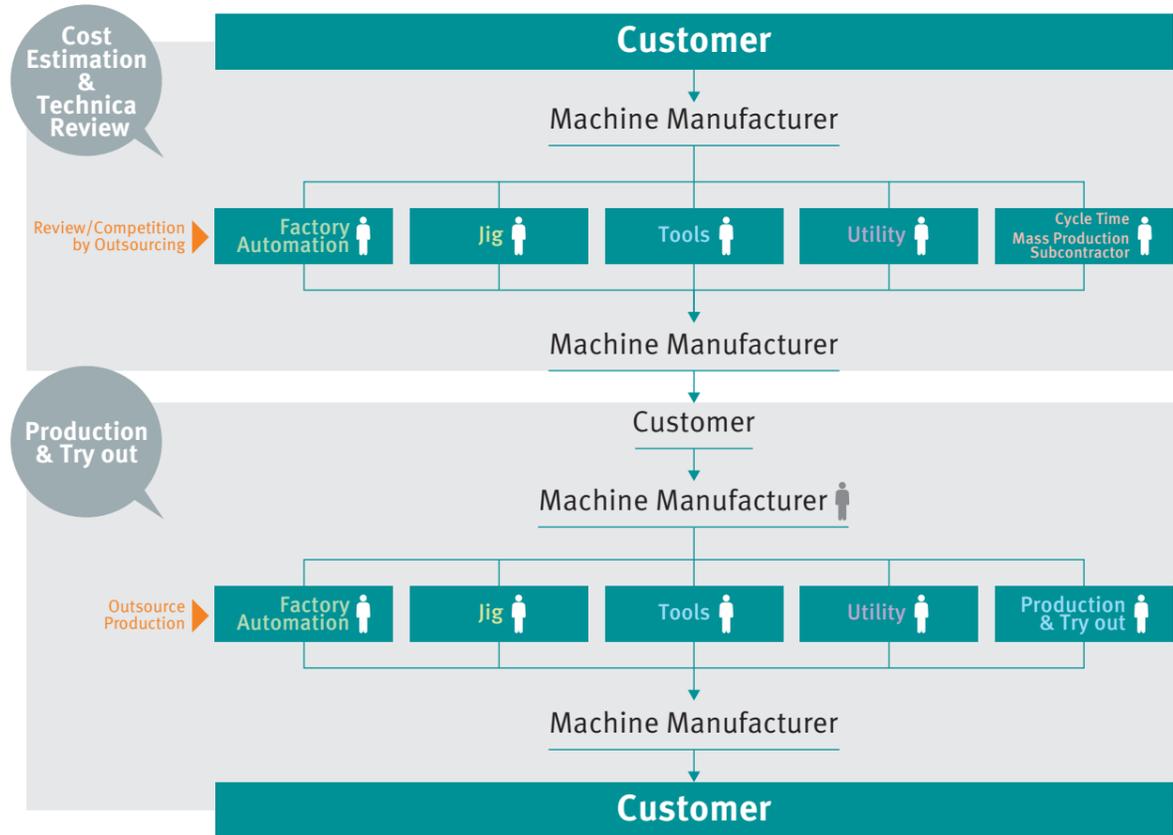
To become a real Chronix Solution, our Chronix experts make a reasonable conclusion.



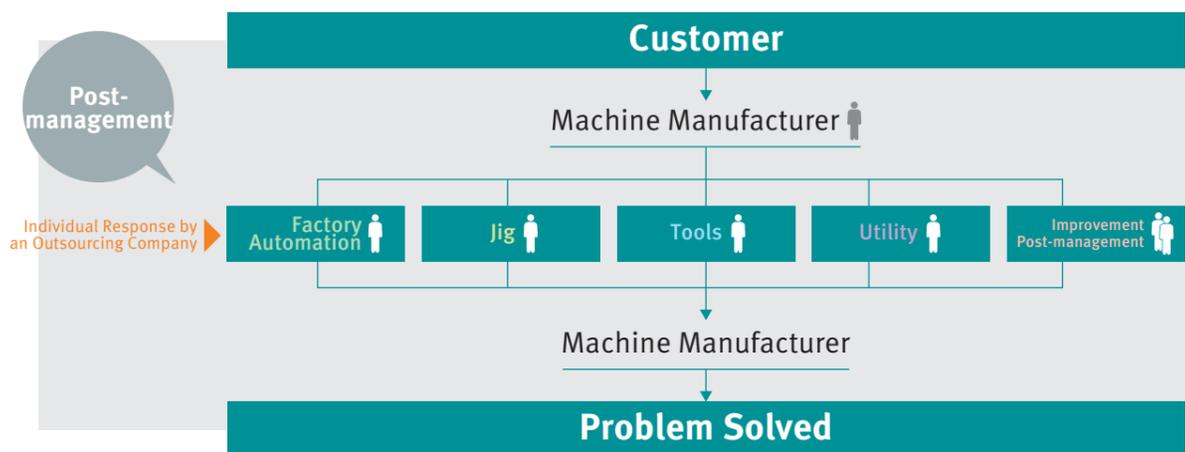
Under the organized system, Chronix trained all members to ensure they can handle overall components of the solution. To perform a unique solution, we build up our trust with expertise and know-how from customers. Chronix Solution is comprised of the best synergy between parts, technology, and organizations.

Disadvantages of Common Process

Process of CNC Machine Manufacturer

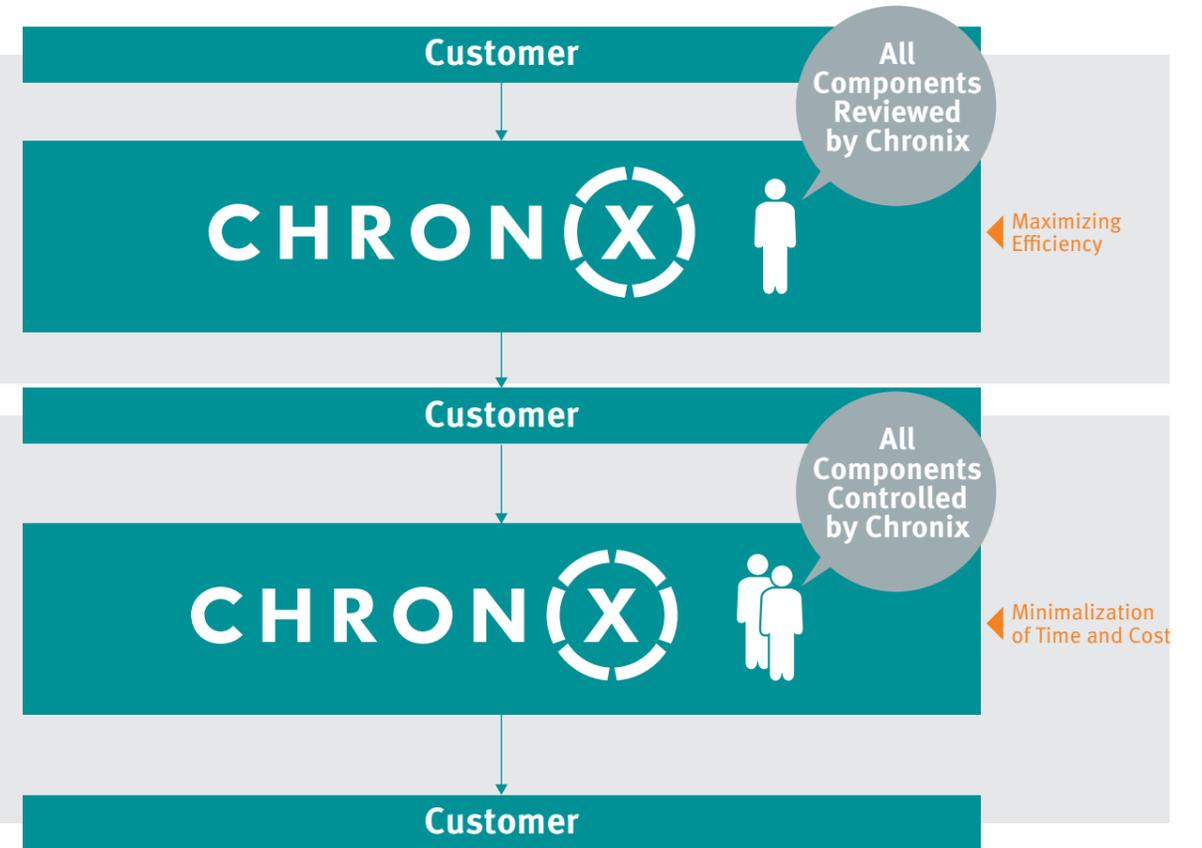


Post-management

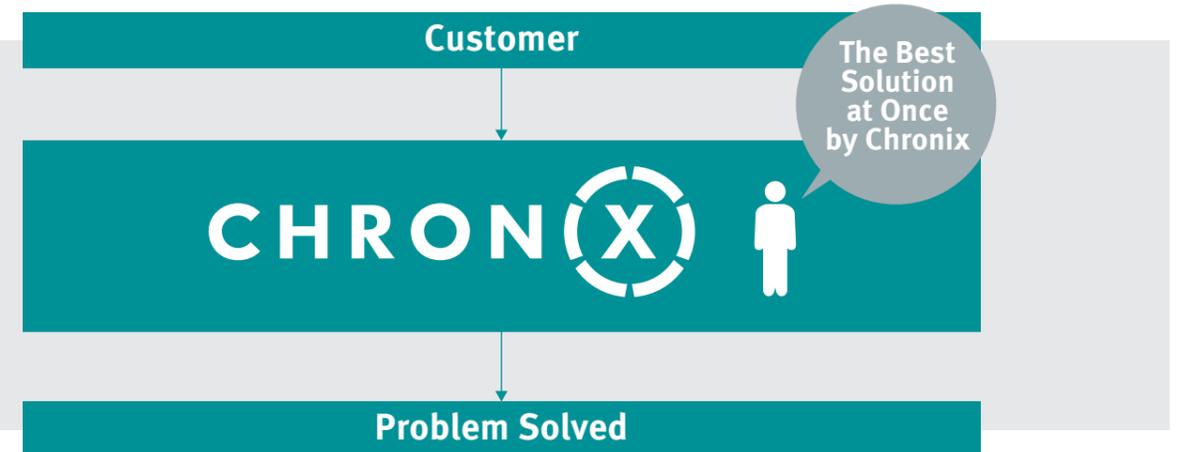


Chronix Solution

Total-engineering Company, Chronix Process



Total-engineering Company, Chronix Process



Chronix Solution Automation Line

- As we proudly introduce the compact size of Brother Tapping Center, Chronix Solution simplified the automation line layout to minimize number of line manager.
- To be more advanced and conduct precise Chronix Solution, we assigned each department on the projects.
- Our customized design and the manufacturing of the automation system and the jig fixture rings compatibility between the gantry loader and the jig fixture and easy exchange of the accessory parts when changing the work model.
- Based on the material types, the tooling can be arranged to produce the best operating rate and the lowest running cost. The post-management without delay is our key concept to provide our Chronix Solution.



Our Capability

1. Factory Automation



- * Separated Program Control of each Model
- * Diverse Design by cycle Time Setting
- * Work Orientation Equipped
- * Designed Considering the Work and the Worker's Flow

2. JIG Fixture



- * Chip Processing to Prevent the Quality Defect
- * Stroke Selection Considering the Automation Method
- * Flexible Jig Fixture Design for the High Volume of Small Quantities
- * To Improve Machine Durability, Minimal Weight Design is Selected

3. Cutting Tools



- * Improving Quality through Equipping Specific Tools by Work Materials
- * Selection of the Tools to Meet the Cycle Time
- * Reduction of Running Cost through Focusing on the Tool Life
- * Self-validated Before Starting the Mass-production

Brother CNC Tapping Machine

More than 30% of the Production Capacity Compared to Other Machines
 _Tool Life Term Synchronization _Tool Offset Preparation _Tool Life Change Function



Main Applied Field



Automotive Part Samples



Applicable Industries



COST SAVING SOLUTION

Make a Step Forward

CHRON(X)

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