Eliminating Annealing & Pickling!
Gwo Lian Develops New Process for Alloy Steel First Drawing

Gwo Lian Machinery Industry Co., Ltd., maker of metal wire drawing machine, held a product launch event at its Taiwan headquarters on May 26 and 27. The event showcased a new product line that replaces traditional sliding movement (dies) with rolling movement (cassette). This alloy steel manufacturing process overturns the need for double spheroidization and double drawing. “With the expertise in wire drawing machinery, Gwolian has devoted to wire and fastener industries for 49 years. We offer not only machine but solution. All the innovation through our R&D is to empower our clients overcoming obstacles in their business. Their challenges open up Gwolian’s opportunity for bringing our expertise into full play. The more unpredictable and arduous the economy turns, the stronger and the brighter Gwolian grows,” said Ms. Valentina Chen, general manager of Gwo Lian.

Exclusive Feature: Descaler with Steel Brush
Iron oxide in the wire rod goes through automated computerized control done by a descaler with steel brush. The descaler is exclusively developed by Gwo Lian. It precisely calculates the surface tension between the steel brush and wire, keeping the surfaces of the two in best contact. A total of 8 steel brushes with built-in sensors automatically adjusts the pressure within an appropriate range while brushing rusts off the wire surface, thus reducing the damage on wire to the minimum. Furthermore, the descaler automatically notifies the operator to change the brush when it is worn out. Many years ago the descaler already acquired a patent of invention.

Head Stand Type Wire Drawing Machine (Cassette) — Ground-breaking Product with Efficiency & Productivity
Double spheroidization and double drawing have been regarded as a necessary process for traditional high-end alloy steel wires. However, going through all the way from pickling to annealing, second pickling, phosphate treatment, first drawing and finally waste acid treatment is a difficult problem to makers. In response to customer’s problems, Gwo Lian incorporated rolling movement (cassette) that is different from traditional methods and developed Head Stand Type Wire Drawing Machine (Cassette) that eliminates annealing and pickling in the preliminary drawing process. By eliminating “the first spheroidization and the first two picklings”, the machine can immediately skip to the first drawing whereas traditional sliding dies cannot. Moreover, drawing with rollers increases the reduction rate by more than 25%, and most importantly it can save an astonishing processing cost of NTD 4,000 per ton of wires. It creates the most profits for clients standing out from the competitive fastener industry.

Gathering Talents & Becoming a Comprehensive Service Provider
With 40 years of experience in machinery, the company is dedicated in environment protection and actively employs specialized mangers and engineers from the fastener and wire industry. Instead of solely focusing on machine production, it also caters to various client demands from the aspect of technology, design, production, market, and management. “Innovative R&D and transformation are the only way to a sustainable Taiwanese fastener industry,” says Mr. Anchor T. H. Chang, chairman of TIFI. At present, Gwo Lian is making a big step in globalization and diversification.

Working Hand in Hand with Clients
Besides cooperating with many benchmark alloy steel companies from China, Gwo Lian’s new production line helps international enterprises such as Voestalpine (Austria), Paslode (U.S.), and Sumitomo (Japan) tap into the new era of wire drawing. Ms. Chen said, “Clients’ demand is our opportunity to demonstrate our strength. We welcome clients to bring up their issues and discuss with us. By working hand in hand with clients, we can create the biggest value.”

Last but not least, Ms. Chen revealed that another new product launch event will be held this yearend following the previous two events this year. “Our product will speak for itself.” We believe Gwo Lian’s new product line will put Taiwanese fastener industry ahead of competitors and regain the top position in the world.