

# Pass-Through System



GRANCO CLARK's Flying-Cut Double Puller and High Impact Velocity Quench each provide world-class capabilities and maximize throughput and yield.

The Flying Cut Double Puller and High Impact Velocity Quench are provided in our pass-through system. The puller clamps onto the profile and controls the end as it passes through the quench unit.

## Pass-Through Quench:

- Allowing the captivated profile end to pass through the quench

- Puller and Quench work together to process the captive profile through the quench
- A double seal on the puller traverse slot keeps the water in the quench
- Lowering rollers in the quench allow the puller jaw to operate at the same level as the rollers for optimum profile handling
- Revised puller head geometry moves the profile pick-up point closer to the press to minimize the time before the profile enters the quench
- Specialized puller jaws pass through the quench with the clamped profile
- The puller electrics and saw motor remain outside the quench for maximum reliability
- Welding Dies: for direct presses operating with welding dies, the first billet profile of each die can be fully processed by the quench, so there is no loss of usable material on the first billet
- Flat-Face Dies: for operation with flat-face (non-welding) dies, every profile can be captivated by the puller and processed through the quench
- Piercing Operation: for piercing operation each profile is processed through the quench and the double puller provides slug-cutting/handling capability
- Indirect Operation: for indirect operation each profile is processed through the quench and the double puller provides die stripping at the end of extrusion



2,500lb 4,000 Ton Press  
Quench with Double Puller Pull-Through Capabilities

- **NO First Billet Scrap**
- **Perfect Guidance Through Quench on First Billet**
- **Ideal For Small Production Runs**