



TEXAS MACHINE SHOP REALIZES SIGNIFICANT 50% TO 85% DECREASE IN SET-UP TIME USING SPINSELECT™ MULTI-POCKET SELECTABLE TOOL HOLDER

Texans are infamous for wanting to “super-size” just about everything...and Tony Roden’s Ft. Worth-based All-Star Machine & Mfg., is no exception when it came to making a big decision to try out a new tool holder with some very big claims...such as, to substantially reduce set-up time and change-overs, increase throughput on existing equipment...and at the same time, build bottom line profitability. No matter how you slice it...those are some very big, Texas-sized promotional promises.

Since its founding in 2000, Tony has seen his All-Star Machine & Mfg. grow to be a very big player in the niche market for taking on projects that most other competitors “won’t even quote”...such as the production of small diameter turning applications with popular live centers. Today, All-Star’s reputation has grown throughout the region for their “we can handle it” machining/ metalworking mindset.

GROWING A REPUTATION FOR HANDLING THE DIFFICULT JOBS...

Despite a growing reputation for handling the difficult projects, Tony has come to know that operating smart by reducing such functions as set-up time and changeovers, is just as important on special jobs as it is on regular jobs. So, when he heard about a new tool holder capable of holding up to 5 or more stick tools at one time that is now available from Modern Industries, he had to check it out.

Prior to discovering SpinSelect™ Multi-Pocket Selectable Tool Holders from Modern Industries suite of mPower lean manufacturing tooling and equipment, Tony commented that “All-Star Machine & Mfg., Inc. was

typically using shank tools & modular grooving tools. Performance was inconsistent. Typical change-over and set-up times varied between 2-6 hours depending on complexity and tolerances, etc. Obviously, machines sitting idle for that long are major profit-killers, losing money with every tick of the clock and we couldn’t grow our business by losing out on big chunks of times with machines down waiting for the next set-ups.”

EARLY SUCCESSES GIVE WAY TO EXPANDED USES...

Intrigued by SpinSelect productivity claims, Tony pushed forward and purchased their first SpinSelect tooling in January, 2013. Early successes with the tooling, gave way to an expanding and broader use of Modern’s new SpinSelect tooling for such operations as...

- **Turning** – Roughing, finishing, profiling, etc.
- **Grooving** – O-ring, thread relief, thread blocking, deep profiling, etc.
- **Threading** – 60 deg. “V”, Acme, Stub Acme, API, etc.



“All-Star Machine has had four sets of SpinSelect tool holders in operation for well over a year now and the product performance claims have definitely been as-advertised”. Tony adds... “Since using SpinSelect Multi-Pocket Selectable Tool

Holders, the ROI benefits and other tangible advantages we have realized...including operating improvements versus the standard single tool holders have been significant.” He continued...“as we cut the full range of

materials from 12L14 to Inconel, our operators have been able to try out the **SpinSelect Multi-Pocket Selectable Tool Holders** on the full gamut of metals and have found no drop off in operating performance.”

OUR AVERAGE CHANGE-OVER/SET-UP TIMES HAVE DECREASED 50-85% FOR MOST LATHE PARTS.

Additional benefits we have realized include; deeper cuts, faster feeds, less vibration and chatter and the ability to benefit from offline insert changes. Increases in operational complexity, such as single chucking, has subsequently decreased the number of operations required to complete the part.

All-Star Machine & Mfg. operators especially like the ability to switch out roughing inserts virtually on the fly. For example, roughing inserts invariably wear out the fastest...so the great thing about **SpinSelect** insert changes are that they take just seconds...not minutes. Plus, offline insert changes/reloading can create a virtually continuous runtime. Super rigid grooving allows for faster grooving without chatter and increased tool life. Plus, groovers can also be changed in seconds, as well.

The ^mPower **SpinSelect Multi-Pocket Selectable Tool Holders** have particularly excelled cutting harder materials faster by over loading the pocket with more rigid tools and having multiple inserts available, without any need to re-qualify them before use. The bottom line? Less operations required to produce complex parts.

THE 5 MOST VALUABLE SPINSELECT FEATURES...

Tony adds...“If I had to prioritize five key **SpinSelect** product features that our machine operators have found to be particularly valuable, I would probably arrange the top five this way...

- a. Increased tool capacity
- b. Offline insert changes
- c. Decreased change-over/setup times
- d. Capability to run more complex parts in a single setup
- e. Repeatability. No need to re-qualify tools for new setups”

“We understand that during the fourth quarter of 2013, Modern Industries based in Erie, PA took over the manufacturing and marketing of the **SpinSelect Multi-Pocket Selectable Tool Holders** as a natural extension of their popular ^mPower line of quick-change workholding products.”

EASIER & FASTER MACHINING OF HARDER MATERIALS

“Our machine tool operators have also found the specific design of ^mPower’s **SpinSelect™ Multi-Pocket Selectable Tool Holders** makes it easier and faster to machine harder materials and requires less downtime changing out worn inserts. O-ring chatter is also decreased which also allows for faster machining.”

Tony summarizes...“So, if you are like most machine shop operators and are looking for better ways to all but eliminate downtime for tool and insert changes, reducing set-ups to seconds and cutting downtime to the tool crib, then my recommendation would be to look into ^mPower’s **SpinSelect Multi-Pocket Selectable Tool Holders**.



OUR MOST POWERFUL COMPETITIVE EDGE...

“^mPower’s **SpinSelect** offers machining operations significantly better throughput, especially on machining tasks like heavy roughing and harder material removal. All Star Machine & Mfg. has up to 85% savings on turning set ups and realized a very fast ROI.” Tony concludes... “On average, we’ve cut 1-3 hrs. on set-ups per project and even more savings by eliminating mistakes from extra handling...we definitely are believers.”



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