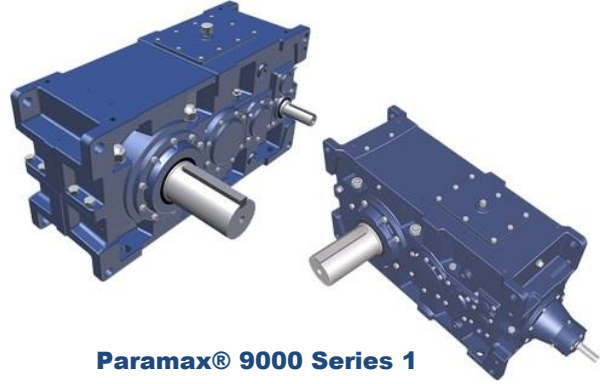


PRODUCT SUCCESS STORY AT SUMITOMO DRIVE TECHNOLOGIES

In early 2018, the Sumitomo manufacturing team inquired if there was a better, more effective way to deburr their castings. Sumitomo, located in Chesapeake, Virginia, manufactures gear motors, motion control drives and speed reducers. They were spending 10 – 15 minutes deburring each of the castings by hand, using belt sanders, files and hand deburring tools. This was not only time consuming, but also physically demanding due to the weight of the castings. It was creating a bottle neck in their production flow and the results were not always predictable. They were looking for a solution that would reduce the deburring time and produce high-quality results on a consistent basis.



Paramax® 9000 Series 1

We consulted with Sumitomo and brought in Bob Stacey, product manager for roller burnishing and deburring equipment at Sugino Corp. After reviewing the application, we believed we had a solution for their problem. We recommended the Barriquan self-compensating deburring tool. This tool has built in float and the vertical compensation and variable tension allows for clean, even burr removal.

The Barriquan tool comes in three series:

BC10-10 – for surface deburring with exchangeable spring load

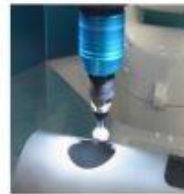
BC10-20 – for surface deburring with incremental load

BCT10-10 – for inverted (underside) deburring

We set up a trial for Sumitomo to test the Barriquan tool on their castings. They ended up standardizing on two of the series - the BCT10-10 and BC10-10. Both tools are performing excellently in the field. With the Barriquan tools, approximately 95% of the deburring is now being performed in the machine while only adding approximately 2.5 minutes to the machining process. This tool is saving them time, increasing their throughput and providing consistent, high-quality burr removal – every time.



Application Examples



Pipe ports/holes



Casting profile



Brushing applications



Robot applications



Pipe port (underside) deburring

Recommended burr bit configurations:



Want to learn more about Sugino's Barriquan self-compensating deburring tool? Please visit this page on their website or their web site or contact us at: jackdixon@dixoneng.com or 704-895-6805. Many thanks to the Sumitomo manufacturing team in Chesapeake, Virginia for allowing us to tell their success story.