

# NORTON

SAINT-GOBAIN

CASE STUDY

## NORTON RAPID PREP XF NARROW BELTS

PROVIDING A MORE CONSISTENT  
FINISH FOR LONGER



**APPLICATION:** Blending Stainless Steel industrial sanitary fittings

**MATERIAL:** Stainless steel 316

**MACHINE:** Robotic Grinding Cell

**PRODUCTS:**

- Norton Rapid Prep XF Coarse & Medium
- Competitor coated abrasive belt with shaped grain P120+

**OBJECTIVE:** Increase finish consistency, reduce the number of products needed & reduce cost

### APPLICATION: BLEND & REMOVE SCRATCHES FROM COMPONENT SIDES



PRODUCT	PARTS FINISHED
Competitor coated abrasive belt P120+	3 parts
Norton Rapid Prep XF Coarse	9 Parts

#### RESULTS:

- Norton Rapid Prep XF belts were able to finish 9 sink units, the coated abrasive belts finished 3.
- Norton Rapid Prep XF belts provided a consistent finish throughout the entire product life.
- The complete process was finished 3x faster as no belt changes were needed and no downtime incurred.
- Norton Rapid Prep XF belts are flexible and were able to easily roll around small contact wheels used in this application.
- The success achieved with the Rapid Prep coarse belt meant the customer switched also to using the Rapid Prep XF medium belt from their existing competitor product.

#### Key Takeaways:

- **Norton Rapid Prep XF belts last longer** → up to 3x that of the competitor coated belt!
- **Reduced stoppage time** → no requirement for belt changes
- **More consistent finish** → the finish afforded by CA belts changes over time - not the case with Norton Rapid Prep belts!
- **Less risk of surface damage** → Norton Rapid Prep belts reduces the risk thanks to the 3D non-woven structure.
- **Consistency is key** → Rapid Prep XF belts are ideal to replace coated abrasive belts in finer grit sizes (P120+) especially in robotic applications where repeatability is KEY!