

# DIDION Metal Polishing Drums



This revolutionary metal cleaning and polishing line provides a competitive advantage creating metals packages that are bright, polished, and clean to the touch. Leveraging DIDION's over 40 years of foundry expertise and WENDT's leadership in non-ferrous metals recovery facilities, the two companies have jointly developed a unique solution that addresses the rising expectations for higher product quality. The patented DIDION Metal Polishing Drum uses a rotary screen to tumble product, creating a metal-on-metal action that scrubs off surface contamination. The strong air flow produces an air wash effect removing liberated materials into a dust collector.

- Removes dust, surface contamination, and oxidation from metal
- Enriched metal concentrate has a higher melt yield
- Continuous process designed to hold and tumble materials for 15 to 20 minutes, allowing product cleaning
- Available in Domestic and Export Drum configurations and can be sized for 10, 20, 30, and 40 TPH capacities
- An optional burner can be added for quality control on moisture content



## MATERIALS



Before Polishing

After Polishing



### Domestic Drum

- Ideally suited as preparation to an XRT plant or after heavy media plant
- Processes a variety of aluminum and stainless steel scrap commodities



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TPH and retention time expectations are for input materials with a thin layer of contamination with some exposed metal.



Materials with thicker layers of contamination can still be cleaned but require longer retention times and reduced throughput.



## MATERIALS

\*Materials should be stored on concrete and kept under cover to keep moisture and mud off



### Export Drum

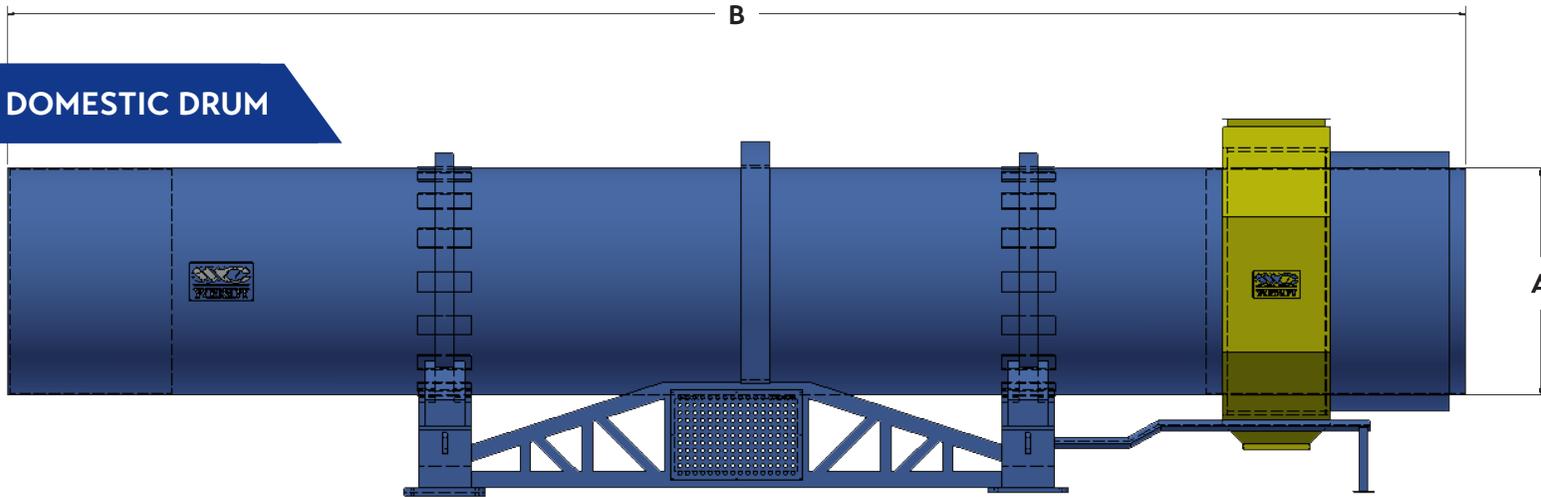
- Purpose-built to meet the proposed Chinese Export Requirements for ZORBA and TWITCH
- Screening added to separate the cleaned and polished metal into three sized products ready for export



# DIDION Metal Polishing Drum Specifications

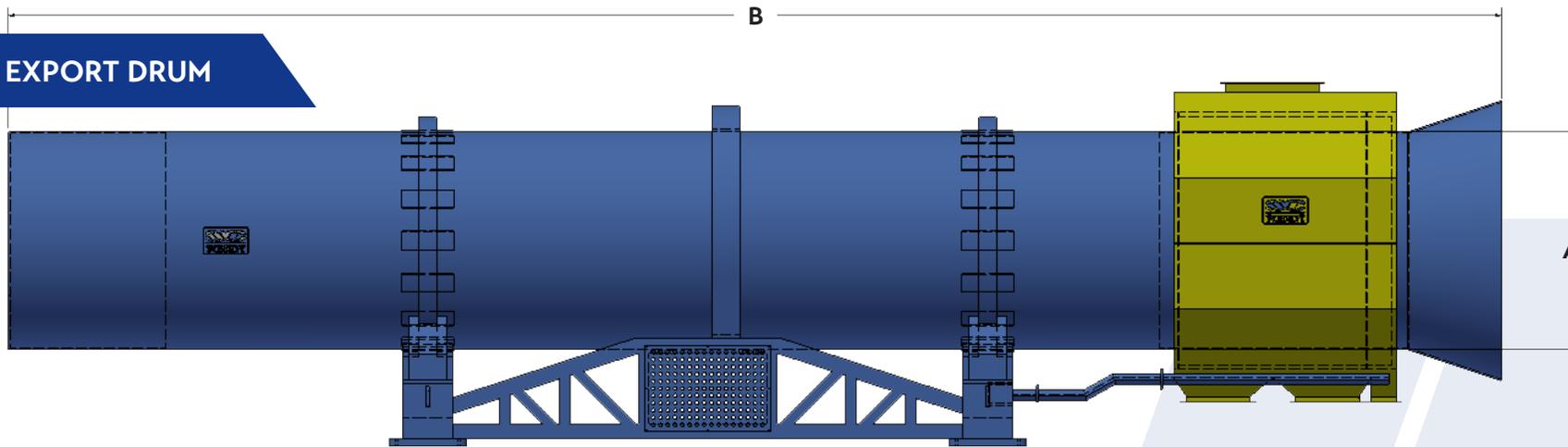


## DOMESTIC DRUM



The Export Drum is 3 ft longer than the Domestic Drum and offers sizing of the polished metals product.

## EXPORT DRUM



### RS-Z POLISHER DRUM

MODEL	RATING (TPH)	DOMESTIC DRUM DIMENSIONS (ft)		EXPORT DRUM DIMENSIONS (ft)		HP
		A	B	A	B	
RS-200-Z	10	6	36	6	39	30
RS-250-Z	20	7	45	7	48	50
RS-300-Z	30	8	45	8	48	75
RS-400-Z	40	9	45	9	48	100

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RS-Z POLISHER DRUM		STANDARD FEEDERS		DUST COLLECTION
MODEL	RATING (TPH)	MODEL	HP	CFM RATING
		CDC-34x10	2	4,000
RS-200-Z	10	CDC-34x10	2	5,000
RS-250-Z	20	CDC-40x10	2	7,500
RS-300-Z	30	CDC-40x10	2	10,000
RS-400-Z	40	CDC-40x10	2	15,000

