



Vacuum Chamber PM Technique Three Roll Mill Cleaning

OBJECTIVE:

TO EFFECTIVELY CLEAN DEPOSITION FROM THE THREE ROLL MILL IN A TIMELY, EFFICIENT, SAFE AND MORE COST EFFECTIVE MANNER, WHILE REDUCING THE AMOUNT OF HAZARDOUS WASTE GENERATED TO PERFORM THIS TASK

Vacuum Chamber:

VARIOUS SIZE THREE ROLL MILLS (SEE PICTURES BELOW)

Vacuum Chamber Process Residue:

RESIDUAL PRODUCT LEFT BEHIND ON THREE ROLL MILL

Vacuum Chamber Components:

THREE ROLL MILL ROLLERS, TRAYS, SPLATTER SHIELDS, DISPENSERS, AND VARIETY OF SPATULAS & SCRAPERS

Old Procedure:

1.5 packs of 9"x9" wipers (50/pk), 1.0 liter of solvent

Solvent:

Acetone, mineral spirits, isopropyl alcohol, and others

DANGER:

Use of some solvents causes a variety of environmental, health, and safety concerns. Release of hazardous chemical fumes can potentially result in personal injury and property damage. The use of acid gloves may be required in some cases

Vacuum Chamber Products:

- (1) BC01250 Dasher BenchCan 12.5" w/1.5 liters of solvent *
- (1) FT975 ErgoSAFE® Handle, 11" 3 roll mill tool w/hook *
- (1) [FS207](#) ScrubCLEAN® Medium Duty Abrasive Sponge*
- (2) [PT4613](#) ErgoSAFE® UltraSORB® Wiper, .125" x 11"x6" w/loop strips attached
- (10) [HT4699](#) UltraSORB® Wipers, 9" x 9"
- 1.5 Ounces of solvent (Used for final wipe-down)

*These items are reused for MULTIPLE Three Roll Mill Cleans

WARNING

ENSURE ONLY QUALIFIED PERSONNEL, WHO ARE PROPERLY TRAINED TO FOLLOW ALL SAFETY PRECAUTIONS, PERFORM THE FOLLOWING CLEANING TECHNIQUE!!

THREE ROLL MILL CLEANING PROCEDURE:

View "How to" instructional videos on <http://foamtecintlwcc.com/video/>

- Step 1:** With the Three Roll Mill turned off and properly locked out/tagged out proceed to remove any excess product from the rollers and any areas where excess product may have built up using spatulas, scrapers or any specially designed tools for this application
- Step 2:** Submerge the FS207 ScrubCLEAN[®] into the BenchCAN fully saturating the ScrubCLEAN[®] with a moderate amount of solvent absorbed. Proceed to scrub the rollers and any other areas on the Three Roll Mill where the Product has dried and is still built up. Continue to unload the ScrubCLEAN[®] in the BenchCAN repeatedly throughout this step
- Step 3:** Submerge an HT4699 UltraSORB[®] Wiper in the BenchCAN and ring out the excess solvent from the Wiper. Proceed to wipe the areas with any gross product build up that is not directly on the rollers (corners, sides of rollers, etc.) Continue to unload the Wiper in the BenchCAN repeatedly. When necessary use a second and third UltraSOLV[®] Wiper to continue the gross clean of these hard to reach areas on Three Roll Mill
- Step 4:** **OBSERVING ALL SAFETY PRECAUTIONS**, turn on Three Roll Mill. Using the PT4613 ErgoSAFE[®] UltraSORB[®] Wiper, attached to the FT975 ErgoSAFE[®] Handle 3 Roll Mill Tool w/Hook, fully saturate the UltraSORB[®] Wiper by submerging into the BenchCAN, squeezing out any excess solvent
- Step 5:** Begin to remove the product build up from rollers by placing one side of the ErgoSAFE[®] Handle directly onto the rollers (see attached pictures). Slowly drag the ErgoSAFE[®] Handle across the rollers to effectively remove all product from rollers
- Step 6:** Proceed to place both sides of the ErgoSAFE[®] Handle in different areas on all three of the rollers. Continue to unload the ErgoSAFE[®] UltraSORB[®] Wiper on the ErgoSAFE[®] Handle by submerging into the BenchCAN and squeezing out excess solvent
- Step 7:** When determined the rollers have been effectively cleaned as much as possible with the ErgoSAFE[®] UltraSORB[®] Wiper remove wiper from ErgoSAFE[®] Handle and dispose into properly marked HazMat container. Place second ErgoSAFE[®] UltraSORB[®] Wiper onto ErgoSAFE[®] Handle

THREE ROLL MILL CLEANING PROCEDURE (CONT'D):

- Step 8:** Using a small amount of fresh solvent, proceed to moisten both sides of the new ErgoSAFE® UltraSORB® Wiper attached to ErgoSAFE® Handle. Again place the cleaning tool in the different areas on all three of the rollers. This will provide a final wipe-down on the rollers themselves
- Step 9:** Following all safety precautions properly turn off and lock out/tag out Three Roll Mill
- Step 10:** With Three Roll Mill effectively powered off finish final wipe-down of Three Roll Mill using the remaining HT4699 UltraSORB® Wipers and fresh solvent

Three Roll Mill Cleaning Picture



