

# 5 Steps for FAT Preparation for Plastic Recycling Equipment

## Step 1: Define the FAT Acceptance Criteria

Agree on what the equipment must do to pass before the FAT date, throughput targets, feedstock definition, output size, controls, alarms, interlocks, and emergency stops. Decide what belongs in the FAT versus site testing, and get the protocol approved before the test day arrives.





## Step 2: Check the Equipment Against What You Ordered

Before running any material, compare the equipment against approved drawings and purchase orders. Confirm motors, gearboxes, cutter setup, screen size, electrical components, guards, sensors, and emergency stops are all in place and match what was ordered.

## Step 3: Agree on the Test Material and Who Needs to Attend

Identify who attends and who can approve results or hold shipment. Use feedstock that represents your actual process; clean, uniform plastic reveals little if your normal material contains labels, moisture, or mixed shapes.






## Step 4: Run the FAT and Record the Results

Run the equipment with the agreed feedstock and check throughput, output size, motor load, and vibration against protocol targets. Test the HMI, alarms, interlocks, and emergency stops. Record readings and note any missed targets with photos or video.

## Step 5: Close Out the Punch List Before You Sign

Add every issue to a punch list, specifying what happened, what was expected, and the readings recorded. Agree on whether each item must be fixed before shipment or can wait for commissioning. Review the final FAT report before signing.




Presented by:

EcoGreenEquipment.com

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