



NINGBO JINYI PRECISION MACHINERY CO LTD

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INJECTION SCREW INFO COLLECT

MACHINE INFORMATION: OEM: _____ SCREW DIA: _____ L/D: _____
Year MFG: _____ Max. Screw RPM: _____ Max. Injection Pressure _____
Model: _____ Serial#: _____
Max. Rated Shot Size in PS (OZ or GRAMS): _____ Injection Unit Tonnage: _____
Max. Shot Volume Capacity (IN³ or CM³): _____ Max. Injection Stroke (INCH or MM): _____

POLYMER INFORMATION: Resin Type(s): _____ (Pellets or Powder or Regrind)
Specific Gravity (G/CC) _____ Melt Index #: _____ Regrind % _____ Durometer: _____
Bulk Density of Regrind (lbs/ft³): _____ Bulk Density of Pellets (lbs/ft³): _____
Specific Melt Temperature (Mt) (Crystalline Type Resins)(°C or ° F): _____
Glass Transition Temperature (Tg) (Amorphous Type Resins)(°C or ° F): _____
Are You Adding Color Concentrate? _____ What Kind? _____ What % _____
Are You Adding Any Fillers? _____ What Kind? _____ What % _____
(SEND A COPY OF YOUR RESIN SUPPLIERS "PROCESSING" SPECIFICATION DATA SHEET!)

PROCESS INFORMATION: (Circle One) Automotive, Appliance, Electrical, Medical, Packaging, Rubber, Industrial, Tube and Hose Fittings, Containers, Housewares, Other Durable Goods, Other: _____
Product Information (What are you Making? Be Specific): _____

PRESENT PERFORMANCE: Overall Cycle Time (SEC.): _____
Current Screw Recovery Time (SEC.): _____ Total Shot Weight (OZ or GRAMS): _____
Current Screw RPM: _____ Current Injection Stroke (INCH or MM): _____
Desired Screw Recovery Time (SEC.): _____ @ Desired Screw (RPM) _____
Desired Shot Weight (OZ or GRAMS): _____ Recovery Back Pressure (PSI): _____
Current Barrel Temperature Profile (°C or °F): (Starting at Feed) Zone 1: _____ Zone 2: _____
Zone 3: _____ Zone 4: _____ Zone 5: _____ Zone 6: _____ Zone 7: _____
Describe Any Problems That You Are Currently Having (i.e. Short Shots or Recovery Issues): _____

CURRENT SCREW INFORMATION: Nominal OD Size: _____ OAL: _____
Flighted Length: _____ Feed Root DIA. _____ Feed Length: _____
Shank Length: _____ Meter Root DIA. _____ Meter Length: _____
Screw Root Diameter at Nose End (This Diameter Must Match Rear Seat on Valve): _____
Shank Drive Type: (Circle One) (Keyway or Spline or Gear); If Spline (Involute Type or Straight Key)
of Splines, Teeth, or Keyways: _____ What is the Current Screw Base Material? _____
Current Screw Hardfacing: _____ Does The Screw Have Mixing? _____ What Kind of Mixer? _____
Current Screw Design (Single Flight (G.P), Barrier, Other): _____ What is Barrel liner Type? _____
What Type Of Valve Are You Using? (Circle One) (Ball Check, Free Flow, Locking) Other: _____
Has Screw and Barrel Been Measured For Wear? _____ (If Yes, Please Attach ID & OD Measurements)