



### Rubber Refiners (Unidrive)

Unidrive Refiner Mill with anti friction roller bearings with helical gear box of Elecon / Shanti make

### Standard Specification for Rubber Refiners (Unidrive )

Specifications	14" x 18" x36"	16" x 18" x 42"	18" x 22" x 30"	21" x 24"x 36"
<b>Power (HP)</b>	75	75	75	100
<b>Roll Size:</b>	14" x18"x36L	16"x18"x42L	18"x22"x 30L	21"x24" x36L
<b>Lubrication System (Grease)</b>	Manual/ Radial Pump	Manual / Radial Pump	Radial Pump	Radial Pump
<b>Roll (Cooling / Heating)</b>	Funnels/ Universal Rotary Joint	Funnels/ Universal Rotary Joint	Universal Rotary Joint	Universal Rotary Joint
<b>NIP Adjustment</b>	Manual	Manual	Motorized	Motorized
<b>Electrical Panel</b>	Auto Reversal Panel	Auto Reversal Panel	Auto Reversal Panel	Auto Reversal Panel
<b>Emergency Brakes</b>	Hydraulic Panel	Hydraulic Panel	Hydraulic Panel	Hydraulic Panel
<b>Approx. Weight (tons)</b>	-	-	-	-

### Technical Specifications for Rubber Refiners (Unidrive )

Type	Unidrive Bearing Type
No. of Rolls	Two

Material of Rolls	Chilled Cast Iron hollow ground finished, bored through for even heating & cooling, having surface hardness of 500-550 BHN
Make of Rolls	Metallic / White Machine /Jemco / GPI
Front roll diameter	As per size
Rear roll diameter	As per size
Maximum Working Length	As per size
Roller Bush	Spherical Roller Bearing
Type of Housing	Sealed
Housing	Housing is made from graded cast iron of high quality casting free from holes & casting defects
Column Frame	Two Nos. Made of graded Cast Iron as per Housing Material / steel fabricated
Nip Adjustment	Nip Adjustment at two roller ends is done manually using two separate screw attached to the housing through shear plates/ fuse (0-10mm). Working range with dog clutch & handle arrangement
Frication Gears	High precision machined sets made of forged steel
Lubrication System	Radial Grease Lubrication Pump
Base Frame	Uni-Bed design with heavy duty base frame made up of Carbon Steel sections suitable for anti-vibration mounting or fitments with anchor bolts in concrete floorings
Transmission	Through a standard Make Helical Gearbox
Make of Gearbox	Graves / Elecon / Shanti make
Main Motor HP	As per size
Motor RPM	960 RPM
Motor Type	TEFC / SPDP Squirrel Cage
Make of Motor	Crompton Graves / ABB/ Alstom/ Kirloskar make
Standard Accessories	<ul style="list-style-type: none"> <li>● Gear Covers</li> <li>● Safety Trip Rod</li> <li>● Material Collection Tray</li> <li>● Shear Discs / Fuses</li> <li>● Return Water Funnels</li> <li>● Glass see through tubes</li> </ul>
Additional Accessories	<ul style="list-style-type: none"> <li>● Motorized Nip Adjustment</li> <li>● Panel Board consists of Voltmeter, Ammeter, Phase Indicators, On &amp; Off Switches. Inching Switch, Emergency stop with Auto reversal arrangement.</li> <li>● Electromagnetic brake for emergency stop actuated by overhead cradle bar operated by limit switches</li> <li>● Anti vibration mounting</li> </ul>

## Rubber Refiners (Bull Gear Drive)

Bull Gear type refiner mill with worm reduction gear box of greaves / elecon / Shanti make with Anti friction roller bearings.



### Standard Specification for Rubber Refiners (Bull Gear Drive )

Specifications	14" x 18" x36"	16" x 18" x 42"	18" x 22" x 30"	21" x 24" x 36"
<b>Power (HP)</b>	75	75	75	100
<b>Roll Size:</b>	14" x18"x36L	16"x18"x42L	18"x22"x 30L	21"x24" x36L
<b>Lubrication System (Grease)</b>	Manual/ Radial Pump	Manual / Radial Pump	Radial Pump	Radial Pump
<b>Roll (Cooling / Heating)</b>	Funnels/ Universal Rotary Joint	Funnels/ Universal Rotary Joint	Universal Rotary Joint	Universal Rotary Joint
<b>NIP Adjustment</b>	Manual	Manual	Motorized	Motorized
<b>Electrical Panel</b>	Auto Reversal Panel	Auto Reversal Panel	Auto Reversal Panel	Auto Reversal Panel
<b>Emergency Brakes</b>	Hydraulic Panel	Hydraulic Panel	Hydraulic Panel	Hydraulic Panel
<b>Approx. Weight (tons)</b>	-	-	-	-

### Technical Specifications for Rubber Refiners (Bull Gear Drive )

Type	Bull Gear Type with Bearing
No. of Rolls	Two
Material of Rolls	Chilled Cast Iron hollow ground finished, bored through for even heating & cooling, having surface hardness of 500-550 BHN
Make of Rolls	Metallic / White Machine /Jemco / GPI
Front roll diameter	As per size
Rear roll diameter	As per size
Maximum Working Length	As per size
Roller Bush	Spherical Roller Bearing
Type of Housing	Sealed

Housing	Housing is made from graded cast iron of high quality casting free from holes & casting defects
Column Frame	Two Nos. Made of graded Cast Iron as per Housing Material / steel fabricated
Nip Adjustment	Nip Adjustment at two roller ends is done manually using two separate screw attached to the housing through shear plates/ fuse (0-10mm). Working range with dog clutch & handle arrangement
Frication Gears	High precision machined sets made of forged steel
Lubrication System	Radial Grease Lubrication Pump
Base Frame	Uni-Bed design with heavy duty base frame made up of Carbon Steel sections suitable for anti-vibration mounting or fitments with anchor bolts in concrete floorings
Transmission	Through a standard Make Helical Gearbox
Make of Gearbox	Graves / Elecon / Shanti make
Main Motor HP	As per size
Motor RPM	960 RPM
Motor Type	TEFC / SPDP Squirrel Cage
Make of Motor	Crompton Graves / ABB/ Alstom/ Kirloskar make
Standard Accessories	<ul style="list-style-type: none"> <li>• Gear Covers</li> <li>• Safety Trip Rod</li> <li>• Material Collection Tray</li> <li>• Shear Discs / Fuses</li> <li>• Return Water Funnels</li> <li>• Glass see through tubes</li> </ul>
Additional Accessories	<ul style="list-style-type: none"> <li>• Motorized Nip Adjustment</li> <li>• Panel Board consists of Voltmeter, Ammeter, Phase Indicators, On &amp; Off Switches. Inching Switch, Emergency stop with Auto reversal arrangement.</li> <li>• Electromagnetic brake for emergency stop actuated by overhead cradle bar operated by limit switches</li> <li>• Anti vibration mounting</li> <li>• Forced feed lubrication system</li> </ul>

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