

OWNER'S MANUAL

IMPORTANT: Read these instructions before installing, operating or servicing this product.

MODEL: BTR-3504
Turning Roll

Serial Number : X51001 and later

Revised Date: June 1, 2002

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INSTRUCTION



WARNING

A procedure, which if not properly followed, may cause injury to the operator or others in the operating area.

Equipment Identification

The identification number specification or part number, model, and serial number of this unit usually appear on a nameplate attached to the control panel; record these numbers for future reference.

Receipt of Equipment

When you receive the equipment, check it against the shipping documents. Make sure it is complete and inspect the equipment for possible damage during shipping. If there is any damage, notify the carrier immediately to file a claim.

Move the equipment to the installation site before uncrating the unit. Use care to avoid damaging the equipment when using bars, hammers, etc. to uncrate the unit.

INSTRUCTION



WARNING

Falling machine due to lifting device failure may cause death or injury.

- * Lifting device may fail when overloaded.
- * Avoid sudden jerks, drops or swinging.
- * Check lifting device components visually for looseness and signs of metal fatigue.
- * Before changing any hardware, check grade and size of bolts, replace with bolts of equal or higher size and grade.

LIMITED WARRANTY

Limited Warranty

Model _____
Serial No. _____
Date Purchased: _____

For a period of twelve (12) months from delivery, BUG-O Systems warrants to the original purchaser (does not include authorized distributors), that a new machine is free from defects in material and workmanship and agrees to repair or replace, at its option, any defective parts or machine. This warranty does not apply to machines, which after our inspection, are determined to have been damaged due to neglect, abuse, overloading, accident or improper usage. All shipping and handling charges will be paid by customer.

BUG-O Systems makes no warranty of merchantability and makes no other warranty, expressed or implied, beyond the warranty expressly set forth above. Buyer's remedy for breach of warranty, hereunder, shall be limited to repair or replacement of non-conforming parts and machines. Under no circumstances shall consequential damages be recoverable.

HOW TO OBTAIN SERVICE:

If you think this machine is not operating properly, re-read the instruction manual carefully, then call your Authorized BUG-O dealer/distributor. If he cannot give you the necessary service, write or phone us to tell us exactly what difficulty you have experienced. BE SURE to mention the MODEL and SERIAL numbers.

1.1 SPECIFICATION

- Direct final positive gear drive
- Roll work range, from 9mm to 1200mm diameter, without changing wheel center
- “Forward/Stop/Reverse” switch with potentiometer for stepless speed adjustment
- Ideal where pipe works for welding
- PU rubber tires provide friction drive and uniformly smooth pipe rotation

MODEL	UNIT	TR-3504
POWER INPUT	~	1 PHASE 220V 50/60Hz
TURNING CAPACITY	kg	3500
LOAD CAPACITY (DRIVE & IDLER)	kg	3500
DIAMETER RANGE(F)	mm	9-1400
SPEED RANGE	mm/min	60-1200
ROTATION MOTOR	hp	1/2
ROLLER DIA.(D)	mm	200
ROLLER WIDTH(E)	mm	100
ROLLER TYPE	-	PU
OVERALL LENGTH (A) (DRIVE/IDLER)	mm	430/280
OVERALL WIDTH (B) (DRIVE/IDLER)	mm	800/710
OVERALL HEIGHT (C)	mm	520
NET WEIGHT (DRIVE/IDLER)	kg	110/55

2.1 TROUBLE SHOOTING GUIDE

SYMPTOM	POSSIBLE CAUSE	REMEDY
Power indicator does not flash	<ol style="list-style-type: none"> 1. The lamp is damaged. 2. Disconnection of main input power. 	<ol style="list-style-type: none"> 1. Replace lamp. 2. Check main input power breaker.
Rolls cannot rotate	<ol style="list-style-type: none"> 1. Motor doesn't rotate. 2. Drive is broken down. 3. NFB tripped. 4. Disconnection or break of remote control's cable. 	<ol style="list-style-type: none"> 1. Check motor input power. 2. Replace drive. 3. Check NFB. 4. Check connector and connection cable.
Vibration while rolls rotate	<ol style="list-style-type: none"> 1. Too loose or too tight of drive shaft and PU roll. 2. Coupling is loose. 3. Function of drive is abnormal 4. Gear of worm reducer is damaged. 	<ol style="list-style-type: none"> 1. Adjust the pillow block bearing screw for suitable tightness. 2. Check coupling screw and tighten it up. 3. Check or adjust the settings of drive or change a new drive. 4. Change new reducer.
Unusual noise while rolls rotate	<ol style="list-style-type: none"> 1. Reducer is short of lubricant. 2. Bearing of roll-shaft is damaged. 	<ol style="list-style-type: none"> 1. Please add lubricating oil. 2. Check and replace a new one.

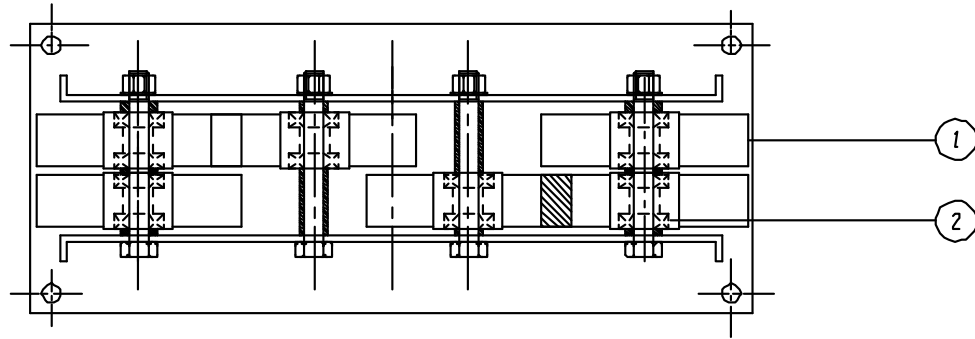
3.1 PARTS LIST - MACHINE

Fig No.	Part No.	Description	Q'ty.	Remark
1	45-154.01	PU roller	12	
*	2	BE-6204ZZ	Bearing	24
3	45-156.01	Friction roller	2	
*	BE-6204ZZ	Bearing	4	
4	45-153.03	Shaft mounted worm reducers	1	
5	45-153.02	Reducer	1	
6	45-153.01	Motor AC 220V 1/2HP	1	
7	45-154.03	Screw	8 set	
8	BE-PSH20	Joint bearing	1	
9	45-157	Driving roller	1	

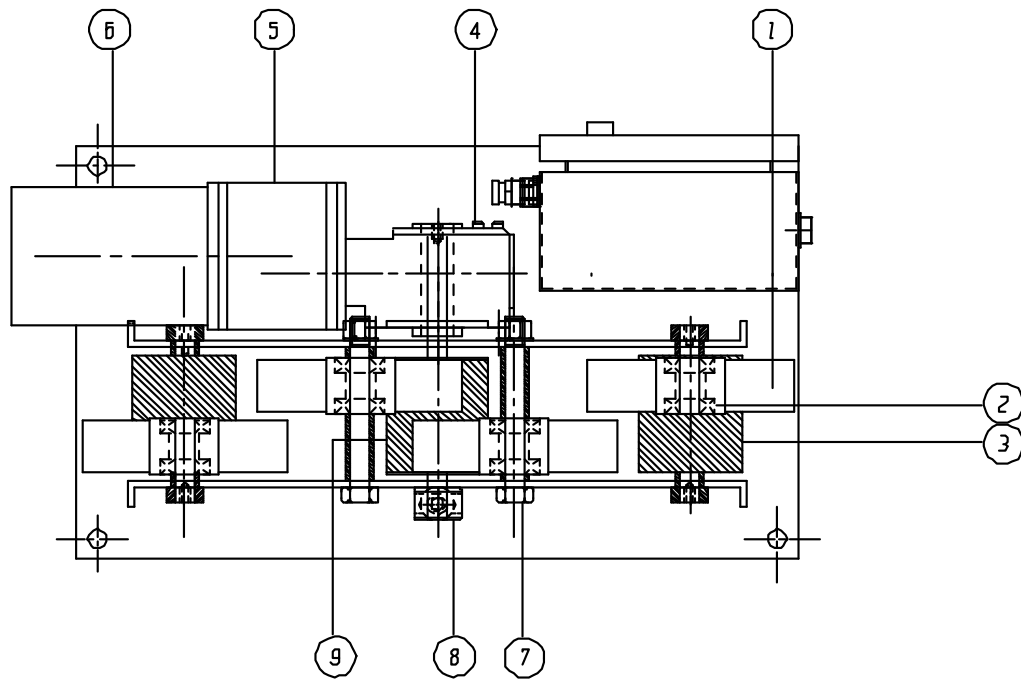
* Recommended spare parts

** Options

3.1 PARTS LIST - MACHINE



(IDLE TURN ROLL)



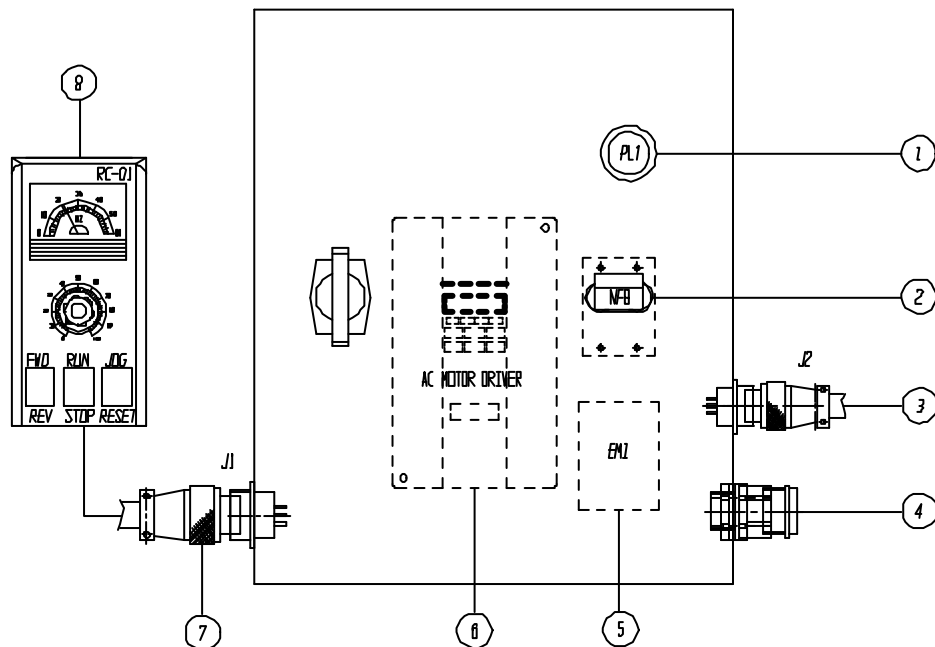
(DRIVER TURN ROLL)

3.2 PARTS LIST - CONTROL

Fig No.	Part No.	Description	Q'ty.	Remark
* 1	219-17600-20	Power light indicator	1	PL1
* 2	222-11797-00	No fuse breaker	1	NFB
3	241-22404-21	Female connector, 4 pin	1	J2
	241-24404-01	Male connector, 4 pin	1	
4	242-32404-12	Cable clamp	1	
5	233-35010-10	Filter	1	EMI
6	234-82100-06	Inverter 1/2HP	1	INV
7	241-22610-19	Female connector, 10 pin	1	J1
	241-24610-09	Male connector, 10 pin	1	
8	234-83000-06	Remote control	1	RC01

* Recommended spare parts

** Options



4.1 CIRCUIT DIAGRAM

POWER 220VAC 3 PHASE 50/60HZ

