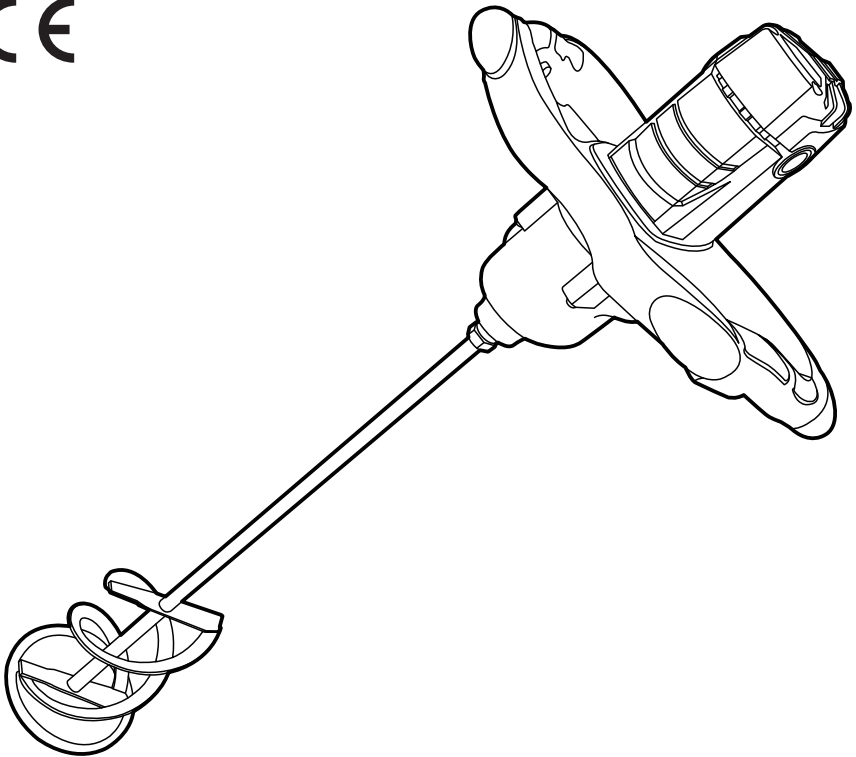


# TOLSEN FORCE XPRESS

## 79509 POWER MIXER

INSTRUCTION MANUAL 220-240V~50/60HZ 1800W

CE



**SAVE THIS MANUAL !**

You will need this manual for safety instructions, operating procedures and warranty.  
Put it and the original sales receipt in a safe dry place for future reference.

## IMPORTANT SAFETY INFORMATION

### General Power Tool Safety Warnings

#### **⚠WARNING**

Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference. The term "power tool" in the warnings refers to your mains-operated (corded) power tool.

### Work area safety

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1. Keep work area clean and well lit. Cluttered or dark areas invite accidents.
2. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
3. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

### Electrical safety

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1. Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with grounded power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
2. Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is grounded.
3. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
4. Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
5. When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.

### Personal safety

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1. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
2. Use personal protective equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
3. Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source, picking up or carrying the tool. Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
4. Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
5. Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
6. Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.

### Power tool use and care

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1. Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
2. Do not use the power tool if the switch/trigger does not turn it on and off. Any power tool that cannot be controlled with the switch/trigger is dangerous and must be repaired.
3. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
4. Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
5. Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
6. Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

### Mixer Safety Warnings

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1. Maintain labels and nameplates on the tool. These carry important safety information.
2. Avoid unintentional starting. Prepare to begin work before turning on the tool.
3. Do not lay the tool down until it has come to a complete stop. Moving parts can grab the surface and pull the tool out of your control.
4. When using a handheld power tool, maintain a firm grip on the tool with both hands to resist starting torque.
5. Do not leave the tool unattended when it is plugged into an electrical outlet. Turn off the tool, and unplug it from its electrical outlet before leaving.
6. This product is not a toy. Keep it out of reach of children.
7. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure. In addition, people with pacemakers should:
  - Avoid operating alone.
  - Do not use with trigger locked on.
  - Properly maintain and inspect to avoid electrical shock.
  - Properly ground power cord. Ground Fault Circuit Interrupter (GFCI) should also be implemented – it prevents sustained electrical shock.

### Vibration Safety

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This tool vibrates during use. Repeated or long-term exposure to vibration may cause temporary or permanent physical injury, particularly to the hands, arms and shoulders. To reduce the risk of vibration-related injury:

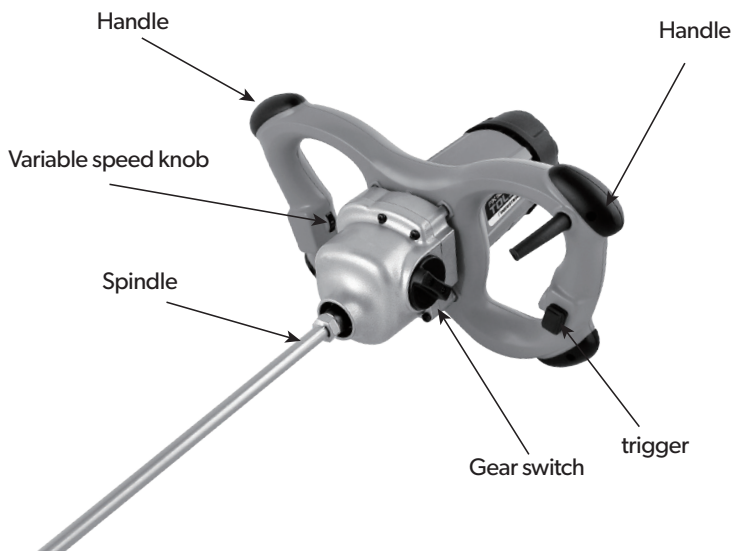
1. Anyone using vibrating tools regularly or for an extended period should first be examined by a doctor and then have regular medical check-ups to ensure medical problems are not being caused or worsened from use. Pregnant women or people who have impaired blood circulation to the hand, past hand injuries, nervous system disorders, diabetes, or Raynaud's Disease should not use this tool. If you feel any symptoms related to vibration (such as tingling, numbness, and white or blue fingers), seek medical advice as soon as possible.
2. Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.
3. Wear suitable gloves to reduce the vibration effects on the user.
4. Use tools with the lowest vibration when there is a choice.
5. Include vibration-free periods each day of work.
6. Grip tool as lightly as possible (while still keeping safe control of it). Let the tool do the work.
7. To reduce vibration, maintain the tool as explained in this manual. If any abnormal vibration occurs, stop use immediately.

**SPECIFICATIONS**

Electrical Rating	220-240V~50/60Hz
No Load Speed	180-400/300-700/min
Spindle Thread	M14

**Functions**

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## OPERATING INSTRUCTIONS

**⚠** Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

### Tool Set Up

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#### **⚠WARNING**

**TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:** Make sure that the Trigger is in the off-position and unplug the tool from its electrical outlet before performing any procedure in this section.

#### **Mixing Paddle Installation**

**NOTICE:** Do not use bent or damaged Mixing Paddle.

1. Align the threaded end of the Mixing Paddle with the threaded end of the Spindle.
2. Thread the Mixing Paddle clockwise into the Spindle to tighten it.

**NOTE:** Periodically check to be sure the Mixing Paddle remains tight. Do not try to retighten it while the tool is running or plugged in. If necessary, unplug the tool and tighten the Mixing Paddle.

#### **Setting the Gear Range**

1. Select an operating speed range depending on the material being mixed. Use a slower speed for heavy materials and when beginning to mix. Use a higher speed for lighter materials, and as the material becomes smoother after partial mixing.
2. To select an operating speed range, first turn OFF the Mixer.
3. Turn the Gear Switch to the desired gear range.

**NOTICE:** Do not change gear speeds during operation to prevent damage.

#### **Adjusting the Speed**

1. You can adjust the Mixer speed by rotating the Speed Dial on the Handle.
2. The Speed Dial is marked #1 (lowest speed) through #6 (highest speed).

**Note:** The Speed Dial may be adjusted while the tool is in operation.

#### **Workpiece and Work Area Set Up**

1. Designate a work area that is clean and well-lit. The work area must not allow access by children or pets to prevent distraction and injury.
2. Route the power cord along a safe route to reach the work area without creating a tripping hazard or exposing the power cord to possible damage. The power cord must reach the work area with enough extra length to allow free movement while working.
3. Place a mixing drum (not included) in the work area. Locate the mixing drum on a flat, level ground surface.
4. Pour the material to be mixed in the mixing drum.

## MAINTENANCE AND SERVICING

 Procedures not specifically explained in this manual must be performed only by a qualified technician

### **WARNING**

**TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:** Make sure that the Trigger is in the off-position and unplug the tool from its electrical outlet before performing any procedure in this section. **TO PREVENT SERIOUS INJURY FROM TOOL FAILURE:** Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

## Cleaning, Maintenance, and Lubrication

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1. BEFORE EACH USE, inspect the general condition of the tool. Check for:
  - loose hardware,
  - misalignment or binding of moving parts,
  - damaged cord/electrical wiring,
  - cracked or broken parts,
  - any other condition that may affect its safe operation.
2. Immediately after use, clean the Mixing Paddle. If the material you are mixing is water based, operate the tool in a bucket of water. Unplug the tool, and remove the Mixing Paddle. Wipe down the Mixing Paddle to finish cleaning it. Spray the paddle with light oil to prevent rust while in storage. Then store the tool indoors out of children's reach.

### TROUBLESHOOTING

Problem	Possible Causes	Likely Solutions
Tool will not start	<ol style="list-style-type: none"> <li>1. Cord not connected.</li> <li>2. No power at outlet.</li> <li>3. Tool's thermal reset breaker tripped (if equipped).</li> <li>4. Internal damage or wear. (Carbon brushes or switch, for example.)</li> </ol>	<ol style="list-style-type: none"> <li>1. Check that cord is plugged in.</li> <li>2. Check power at outlet. If outlet is unpowered, turn off tool and check circuit breaker. If breaker is tripped, make sure circuit is right capacity for tool and circuit has no other loads.</li> <li>3. Turn off tool and allow to cool.</li> <li>4. Have technician service tool.</li> </ol>
Mixing Paddle wobbles on spindle	Loose on spindle.	Tighten the Mixing Paddle onto the Spindle by turning clockwise.
Unsatisfactory mixing results	Tool speed too fast or too slow.	Check with material manufacturer's recommendations for proper mixing speed. Then adjust Gear Switch and/or variable speed knob to proper tool mixing speed.
Tool operates slowly	<ol style="list-style-type: none"> <li>1. Material too thick.</li> <li>2. Extension cord too long or cord diameter too small.</li> </ol>	<ol style="list-style-type: none"> <li>1. Thin out material.</li> <li>2. Eliminate use of extension cord. If an extension cord is needed, use one with the proper diameter for its length and load.</li> </ol>
Performance decreases over time	Carbon brushes worn or damaged.	Have qualified technician replace brushes.
Excessive noise or rattling	Internal damage or wear. (Carbon brushes or bearings, for example.)	Have technician service tool.
Overheating	<ol style="list-style-type: none"> <li>1. Material too thick.</li> <li>2. Blocked motor housing vents.</li> <li>3. Motor being strained by long or small diameter extension cord.</li> </ol>	<ol style="list-style-type: none"> <li>1. Thin out material.</li> <li>2. Eliminate use of extension cord. If an extension cord is needed, use one with the proper diameter for its length and load.</li> </ol>

# CE DECLARATION OF CONFORMITY

WE

SUZHOU TOLSEN TOOLS CO.,LTD.  
198 HUASHAN ROAD, ZHANGJIAGANG,  
JIANGSU, CHINA

Declare that the product  
79509 POWER MIXER (ST10-1800)  
230-240V,50Hz,1800W,Class II  
Serial number: N/A

Complies with the essential health and safety requirements of the following

Directices:

EC Machinery Directive 2006/42/EC

The EMC Directive 2014/30/EU

Standards and technical specifications referred to:

EN 62841-1:2015

EN 62841-2-10: 2017

EN 55014-1: 2006/A2: 2001

EN 55014-2: 2015

EN 61000-3-2: 2014

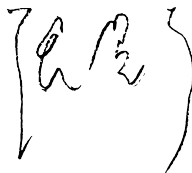
EN 61000-3-3: 2013

Authorised Signatory and technical file holder

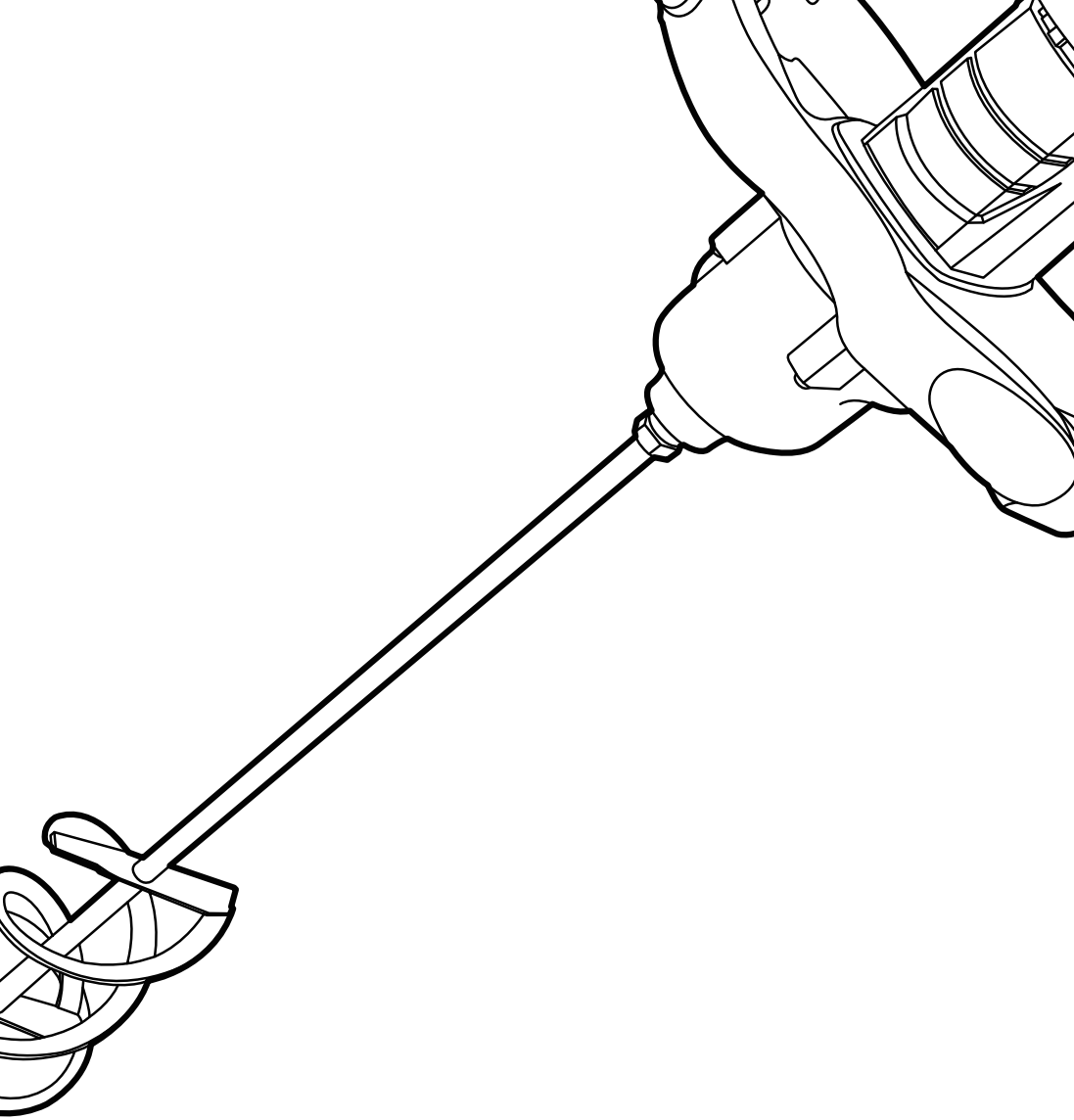
Signed for and on behalf of:

SUZHOU TOLSEN TOOLS CO.,LTD.  
198 HUASHAN ROAD, ZHANGJIAGANG,  
JIANGSU, CHINA  
ZHANG XING YU  
Group Quality Director

on:26/05/2020







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TOOLS CO.,LTD.

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