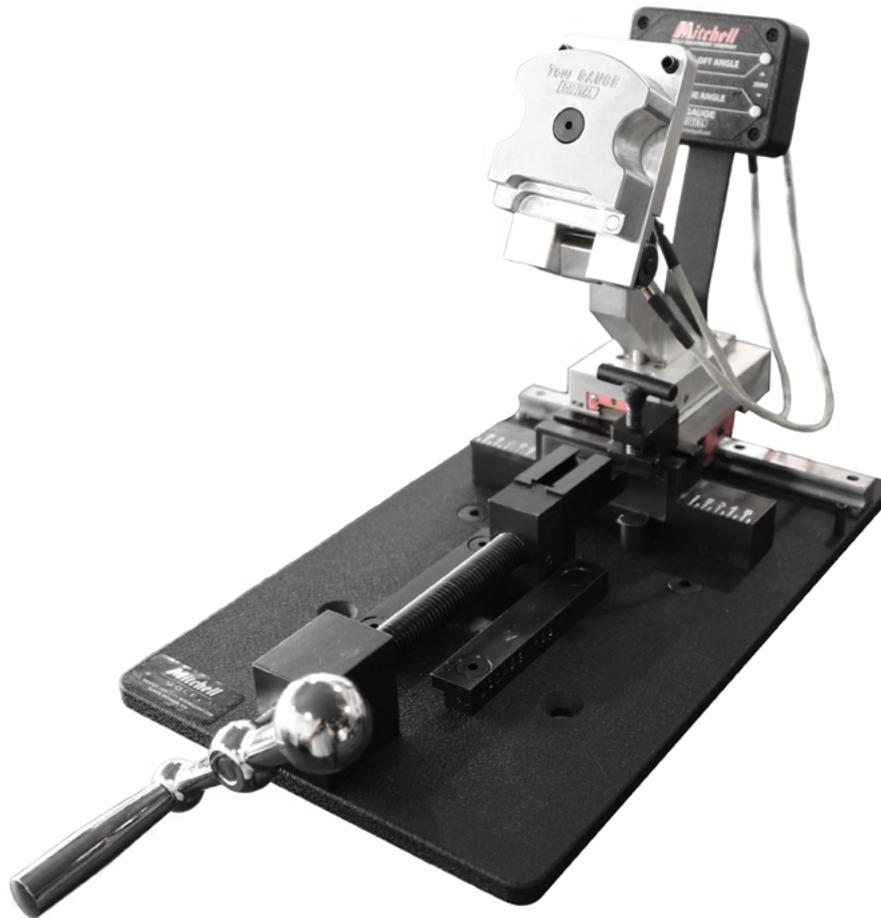


User Manual For:

TourGAUGE®
DIGITAL
PUTTER MACHINE



**This TourGAUGE Digital Putter Machine
Was Manufactured For:**

Purchased by: _____

Date: _____

Serial Number# _____

Thank You

Thank You for purchasing the golf industry's state-of-the-art TourGAUGE Digital Putter Machine. You should find it simple to operate. Please follow the instructions in this manual. If you have any questions, please call 1-800-437-1314.

Important Notice

Your TourGAUGE Digital Putter Machine is a precision gauge.

When measuring a particular golf club in your TourGAUGE Digital Putter Machine, the angle readings are correct. When these angle readings are compared to the published standards for that putter and are found different, then that particular iron does not meet those standards.

If you compare the loft/lie angles of a particular putter measured in other machines to a TourGAUGE Digital Putter Machine, there may be a difference. That is because some machines do not adjust for offset, progressive offset, non-offset, or face progression hosel positions and therefore give inaccurate and inconsistent readings. You can measure any putter in a TourGAUGE Digital Putter Machine accurately.

“The Industry Standard For Accuracy.”

Guarantee

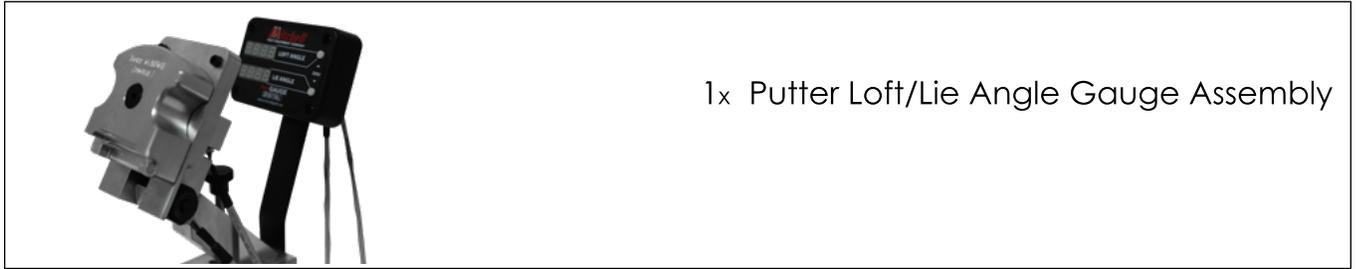
All products manufactured by Mitchell Golf are guaranteed against defects and workmanship. Replacement or repair will be at the discretion of Mitchell Golf.

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Package Contents

This package includes the following contents:



1x Putter Loft/Lie Angle Gauge Assembly



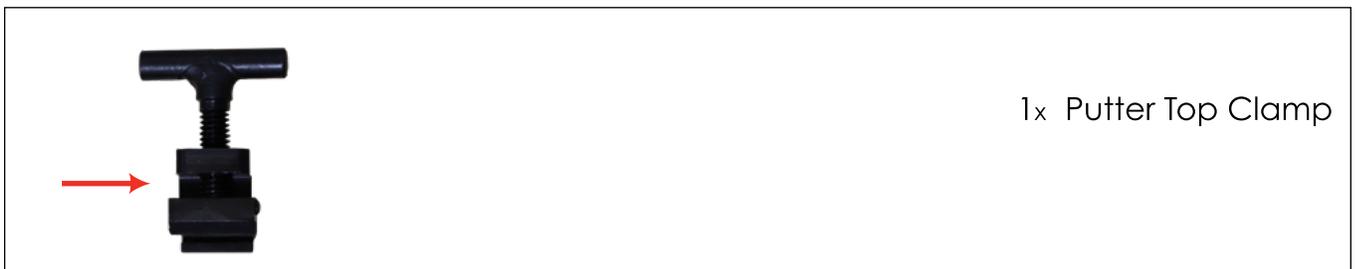
1x Putter Loft Angle Gauge Plate



1x Shaft Abutment Cradle



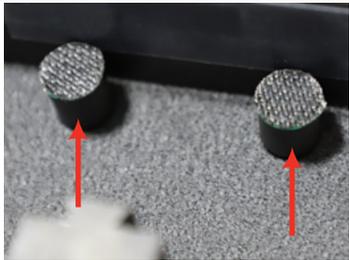
1x Putter Head Clamp Fixture



1x Putter Top Clamp



1x Putter Top Clamp T-Handle



1x Putter Sole Clamps



1x Front Worm Screw



1x Nylon Block Holder



1x Putter Nylon Block



1x Adjustable Putter Aluminum Bending Bar



1x Putter Shaft Bending Bar



1x Digital Display



1x Large Mallet Clamp



1x Loft/Lie Alignment Pin

Maintenance

TourGAUGE Digital Putter Machine

1. Occasionally wipe with clean cloth.
2. Occasionally apply grease to the threaded **Front Worm Screw**.

Technical Assistance

Call 1-800-437-1314

Monday-Friday 8:00AM-5:00PM Eastern Time

Email: info@mitchellgolf.com

Getting Started

Digital Display Start-Up Procedure



illustration 1



illustration 2



illustration 3



illustration 4

STEP 1

Plug in transformer or battery pack into **Digital Display** and turn on using the Power Switch on the back of the display. See illustration 1.

STEP 2

Return **Putter Loft Angle Gauge Plate** to vertical position. Press in **Loft/Lie Alignment Pin** into Loft Alignment Hole until firmly seated and hold in place. See illustration 2.

STEP 3

Press Loft Zero Button on **Digital Display**. Remove **Loft/Lie Alignment Pin**.

STEP 4

Return **Shaft Abutment Cradle** to a vertical position (The logo should be readable). Press in **Loft/Lie Alignment Pin** into Lie Alignment Hole until firmly seated and hold in place. See illustration 3.

STEP 5

Press Lie Zero Button on **Digital Display**. Remove **Loft/Lie Alignment Pin** and return to Loft/Lie Alignment Pin Holder. See illustration 4.

Putter Head Registration & Clamping



illustration 5



illustration 6

STEP 1

Register putter head by placing putter head face against Putter Head Clamp Fixture with sole touching both Putter Sole Clamps. Align putter head center mark (if available) with centerline on Putter Head Clamp Fixture or center putter head on the progressive scale of the Putter Head Clamp Fixture so it measures equally to right and left of "0". See illustration 5.

STEP 2

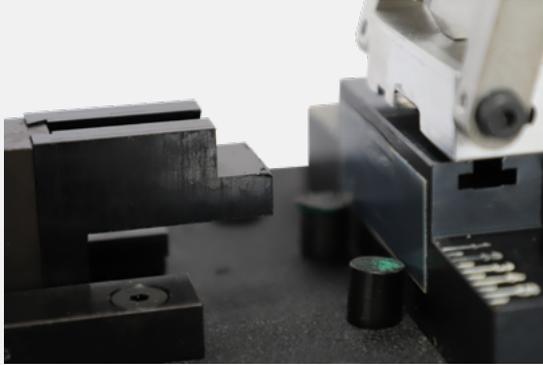
Position **Putter Nylon Block** on **Nylon Block Holder**.

NOTE: The Putter Nylon Block has two different cuts allowing for use with different putter shapes, i.e. cavity back, flange back, mallets, etc. See Illustrations on Page 11.

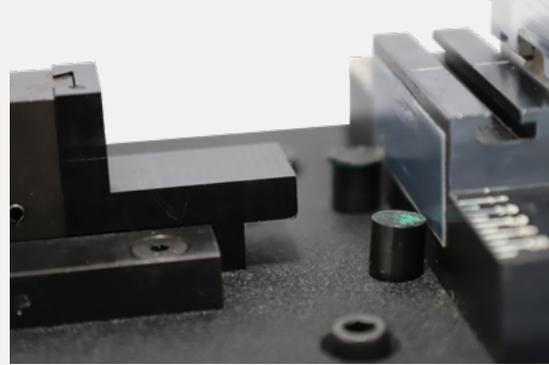
STEP 3

Clamp putter head in machine by turning **Front Worm Screw** to tighten **Putter Nylon Block** against back of putter head. Slide **Putter Top Clamp** to center of putter head and finger tighten by turning **Putter Top Clamp T-Handle**. See illustration 6.

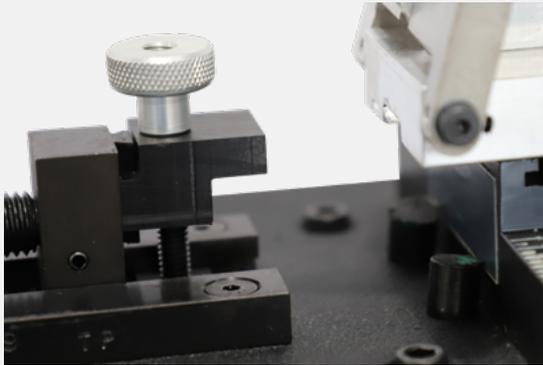
Putter Nylon Block Clamping Instructions



Block Position 1



Block Position 2



Large Mallet Clamp

Large Mallet Clamp

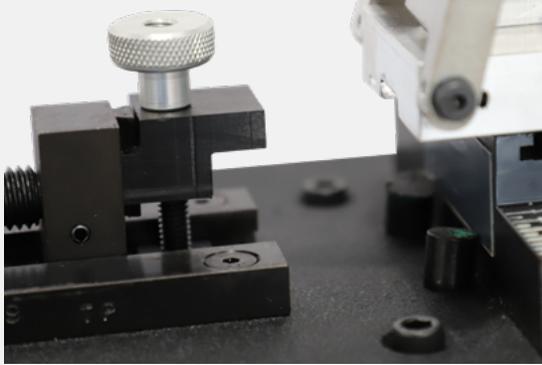


illustration 7

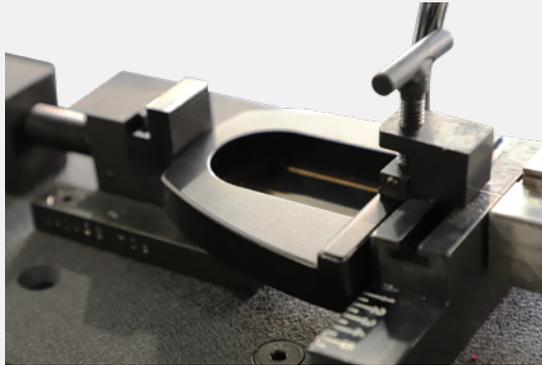


illustration 8

Installation

STEP 1

Remove **Putter Nylon Block** from **Nylon Block Holder**.

STEP 2

Insert **Large Mallet Clamp** under gibs on base plate and slide to **Nylon Block Holder**. See illustration 7.

Clamping

STEP 3

Follow **Page 10, Step 1** to register the putter head.

STEP 4

Lightly tighten **Putter Top Clamp** to hold the putter head in place.

STEP 5

Hold **Large Mallet Clamp** so the top lip of the clamp goes over top of the putter head while clamping the putter head with **Front Worm Screw**. See illustration 8.

STEP 6

Lightly tighten the top screw on **Large Mallet Clamp**.

Do not over tighten. This only needs to be finger tight.

STEP 7

Tighten **Putter Top Clamp**.

Measuring Loft/Lie Angles



illustration 9



illustration 10

STEP 1

To read the loft and lie angles, slide the **Putter Loft/Lie Angle Gauge Assembly** forward and to the side until you are able to make contact with the shaft by the **Shaft Abutment Cradle**. The vertical **Putter Loft Angle Gauge Plate** tilts forward and the **Shaft Abutment Cradle** rotates to allow the shaft to lay flush against both walls of the **Shaft Abutment Cradle**. Two magnets hold the shaft against the **Shaft Abutment Cradle**. See illustration 9.

STEP 2

Read the **Loft LED Readout** on the **Digital Display** for the loft measurement. See illustration 10-A.

STEP 3

Read the **Lie LED Readout** on the **Digital Display** for the lie measurement. See illustration 10-B.

Left Hand



illustration 11

STEP 1

To measure and bend, repeat the same steps per instructions on Pages 10-12. Read the loft per Step 2 (previous page). Read the lie angle per Step 3 (previous page). See illustration 11.

NOTE: Due to the high level of accuracy of digital measurement loft/lie readings may experience 1/4 degree variance.

Adjusting Loft/Lie Angles Putter with Hosel



illustration 12



illustration 13

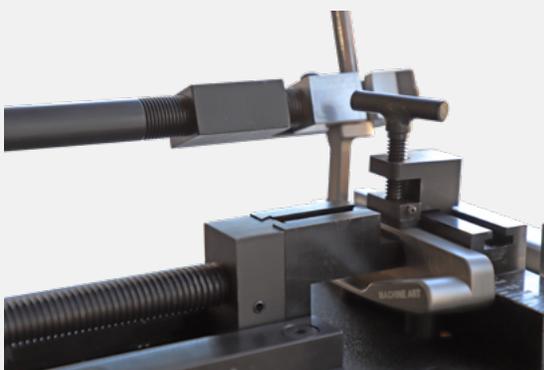


illustration 14

STEP 1

Slide **Putter Loft/Lie Angle Gauge Assembly** back and to side of machine. Place the **Adjustable Putter Aluminum Bending Bar** on hosel as high as possible. Adjust bar to snug fit (finger tight) by turning handle of bar. See Illustration 12.

STEP 2

To bend hosel apply light pressure to bending bar in the direction of desired bend until it is seated firmly against hosel. Apply short, quick jolts of bending pressure to bend hosel. Re-measure putter and re-bend if necessary to desired angles.

STEP 3

To adjust lie angle bend up to make more upright and down to make flatter. The shaft should move in a plane parallel to the front of the machine. See illustration 13.

STEP 4

To adjust the loft angle, bend back (up) to add loft to putter and bend forward (down) to de-loft putter. The shaft should move in a plane parallel to the side of the machine. See illustration 14.

NOTE: Investment cast, forged, and machined putters made from steel, bronze alloy, brass or aluminum can be adjusted. It is not recommended to bend zinc or sand cast putters.

Adjusting Loft/Lie Angles No Hosel Putter

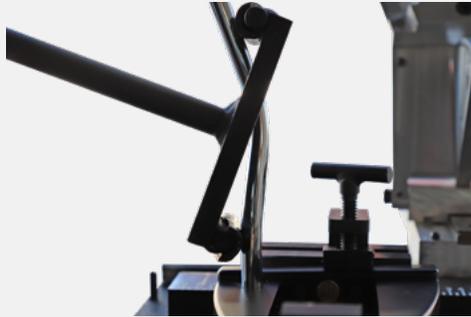


illustration 15



illustration 16



illustration 17



illustration 18

STEP 1

Slide **Putter Loft/Lie Angle Gauge Assembly** back and to side of machine. Place **Putter Shaft Bending Bar** on shaft at the double or single bend. Position the top shaft post of bending bar on one side of the shaft and the bottom shaft post on the opposite side of shaft. The shaft bend should be between the two shaft posts of the **Putter Shaft Bending Bar**. See illustration 15.

NOTE: The top shaft post of the **Putter Shaft Bending Bar** should be positioned on the side of the shaft in which the bending pressure will be applied.

STEP 2

To bend shaft, hold the end of the **Putter Shaft Bending Bar** with one hand and place the other hand around the two shaft posts and shaft. This will secure the **Putter Shaft Bending Bar** on shaft and will concentrate the bending pressure between the two shaft posts. Apply light pressure to bending bar in the direction of desired bend. Then apply short quick jolts of bending pressure to bend the shaft. Re-measure putter and re-bend if necessary to desired angle. See illustration 16.

STEP 3

To adjust lie angle bend up to make more upright and down to make flatter. The shaft should move in a plane parallel to front of the machine. See illustration 17.

STEP 4

To adjust the loft angle bend back (up) to add loft to putter and bend forward (down) to de-loft putter. The shaft should move in a plane parallel to side of the machine. See illustration 18.

Registering & Adjusting Loft/Lie Angles Center Shaft Putter

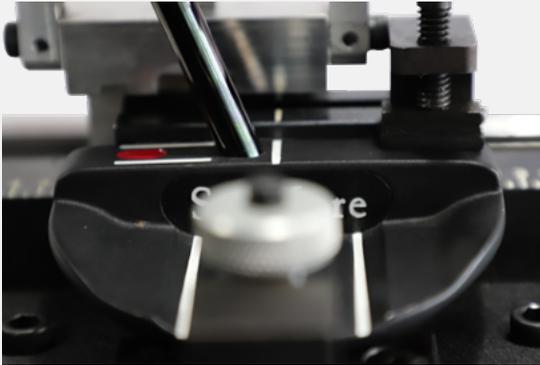


illustration 19

STEP 1

Follow **Page 10, Steps 1 & 2** for registering and clamping putter head. Except when registering, do not use **Putter Top Clamp**. Make sure putter face is flat against **Putter Head Clamp Fixture**.

STEP 2

Measure loft/lie angles of putter following **Page 13, Steps 1-3**.

STEP 3

To adjust loft/lie angles, slide **Putter Top Clamp** towards center of putter head allowing enough room for bending bar to be attached to shaft and finger tighten by turning the **Putter Top Clamp T-Handle**. See illustration 19.

STEP 4

Read the loft/lie angles again to see if they changed after tightening the **Putter Top Clamp**.

STEP 5

Adjust the loft/lie to desired angles allowing for any difference in the readings after tightening the **Putter Top Clamp**.

Please Visit Us At:
www.MitchellGolf.com

For Getting Started or Support Questions Please Email Us At:
info@mitchellgolf.com

