

**From simulation to reality, CG100-24
Robot Clamshell Tool solves problems**



CG100-24 Size 2

**A view of our older REV1 Clamshell Gripper
We have improved the design in our REV2 gripper**

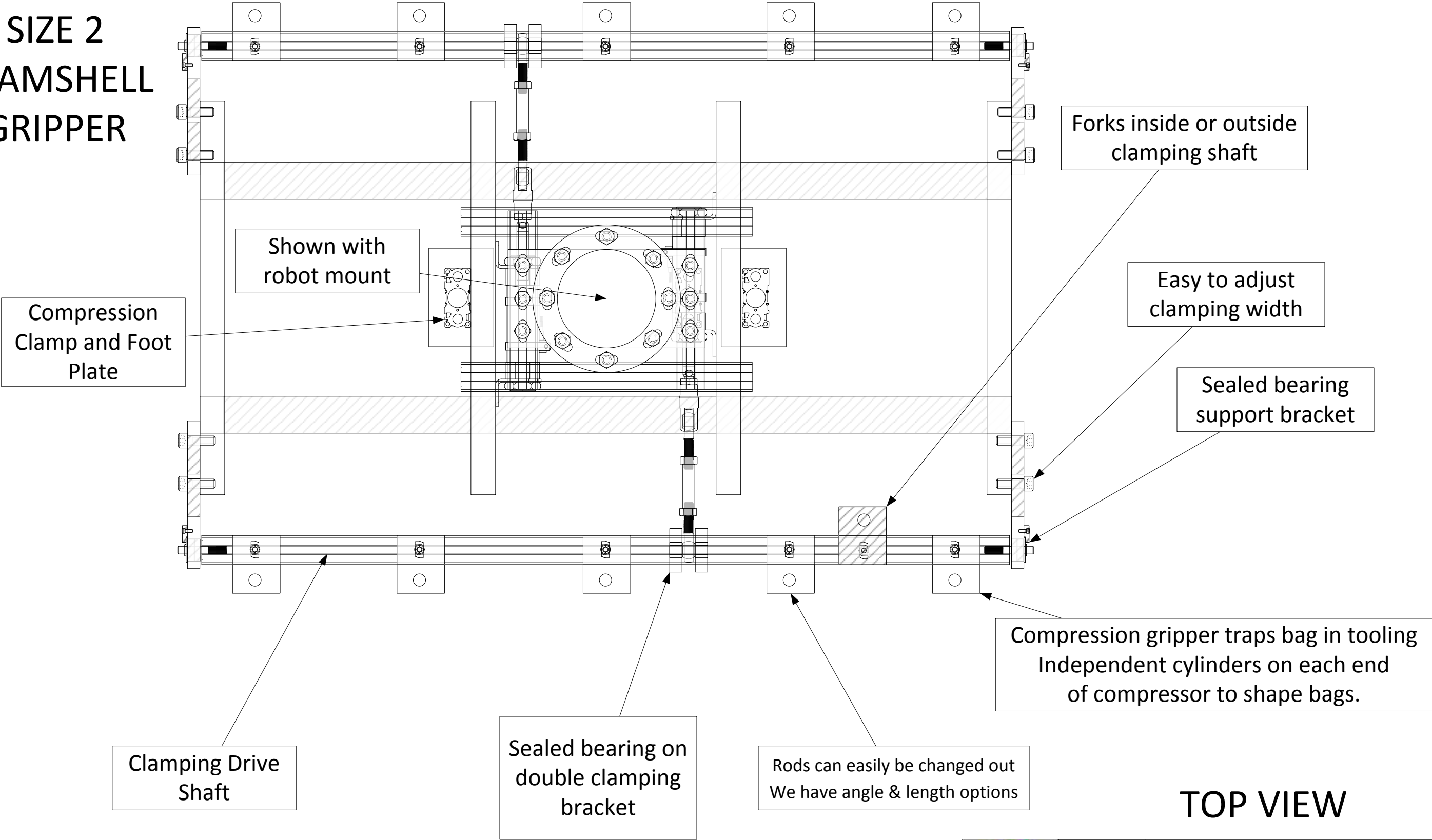
Larger range of gripping widths
Higher Speed – Pick up to 17+ per minute*
Independent, adjustable compression control
Useful for asymmetrical product bags
Reversible gripping forks, optional shapes
Dual clamping cylinders help center product in bag
Higher speed clamping with larger air cylinders
Cushion Stops on every cylinder for longevity
Adjustable offset for mounting to robot
Compression and Clamping Cylinder Flow Control
1 Year Warranty
Locally available parts are in stock
Mounts to any Palletizing robot
* most conditions are 5-7 seconds per pick




1371 E Pine
Suite 6
Lodi, CA 95240
calrobot.com

Description:	Clamshell Gripper CG100-24 Size 2
Customer:	
Detail:	Rev1 Tooling
Engineer:	Jerry Bransom
Date / Rev:	3/1/2021 Rev2

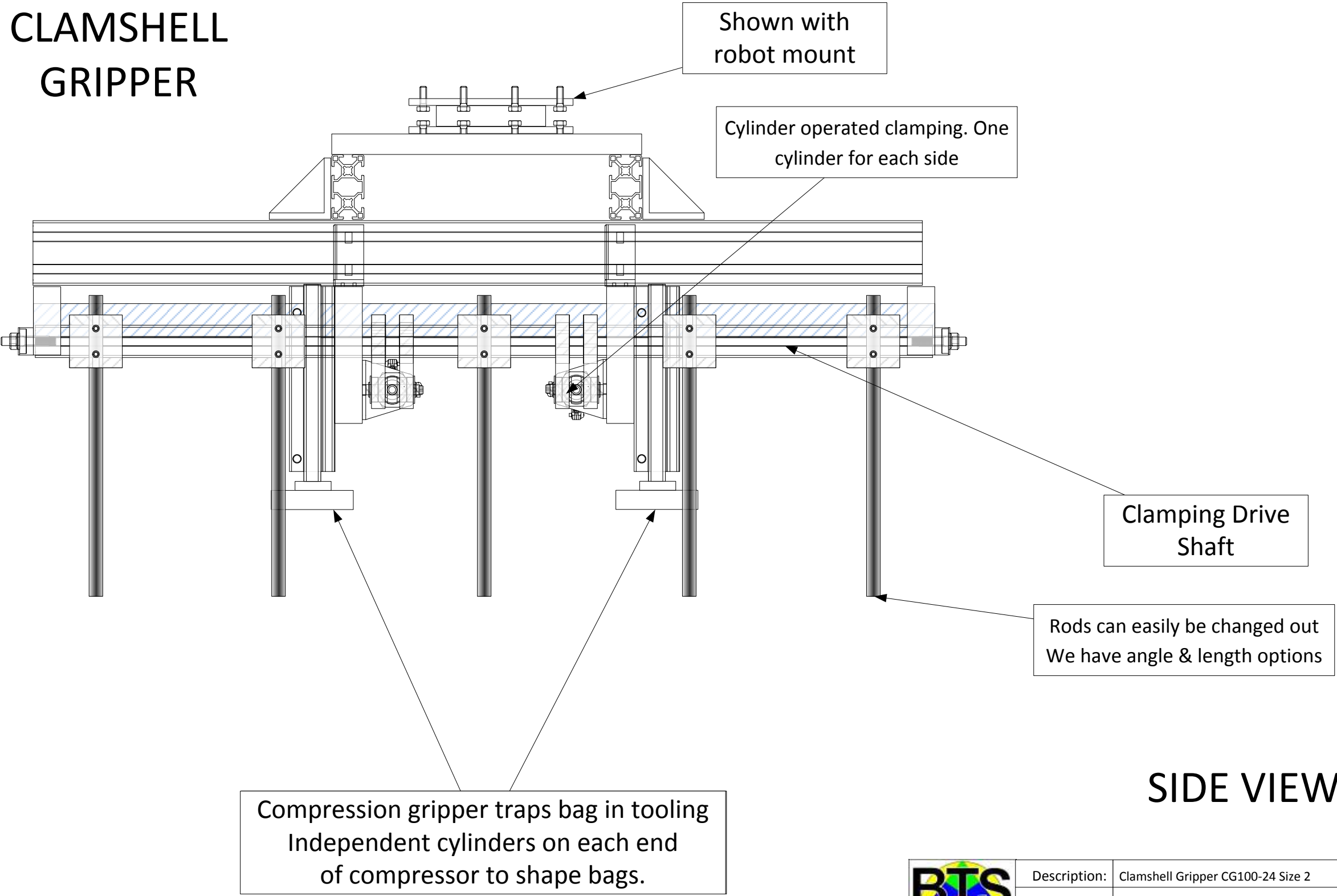
SIZE 2
CLAMSHELL
GRIPPER




TOP VIEW

 1371 E Pine Suite 6 Lodi, CA 95240 calrobot.com	Description:	Clamshell Gripper CG100-24 Size 2
	Customer:	
	Detail:	Top View of the tool.
	Engineer:	Jerry Bransom
	Date / Rev:	3/1/2021 Rev2

SIZE 2
CLAMSHELL
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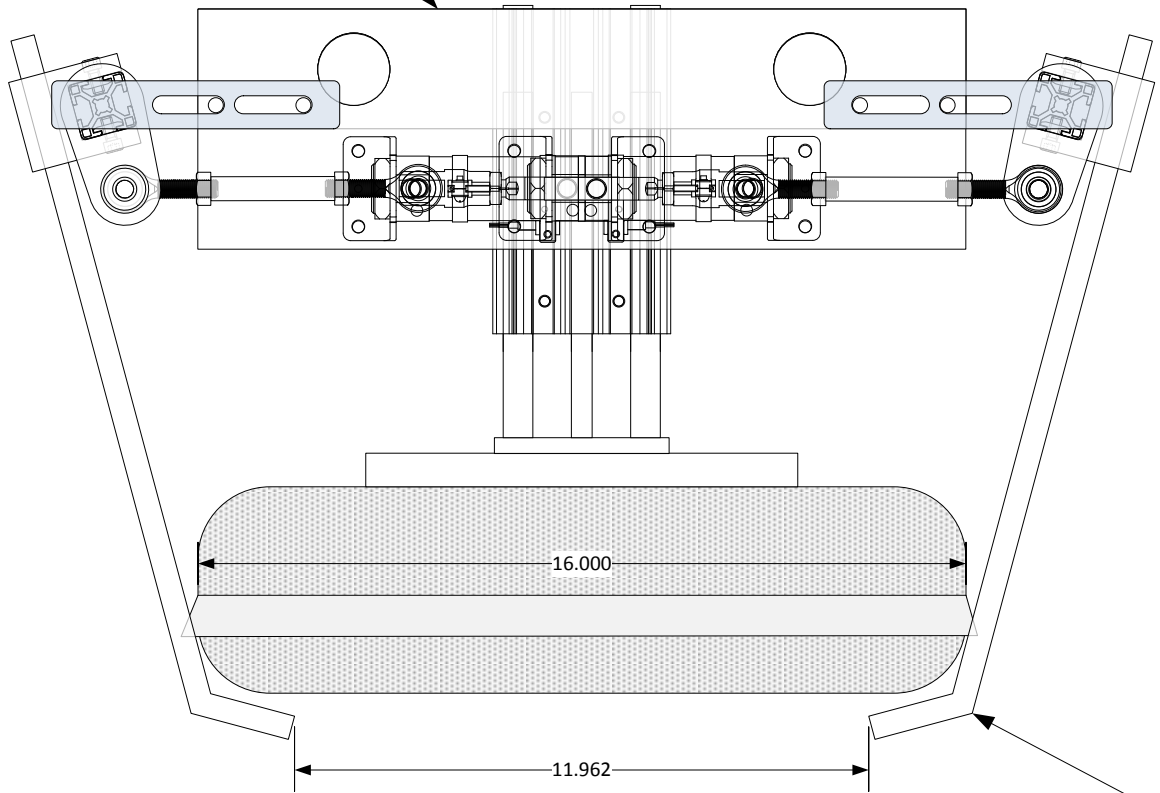


SIDE VIEW

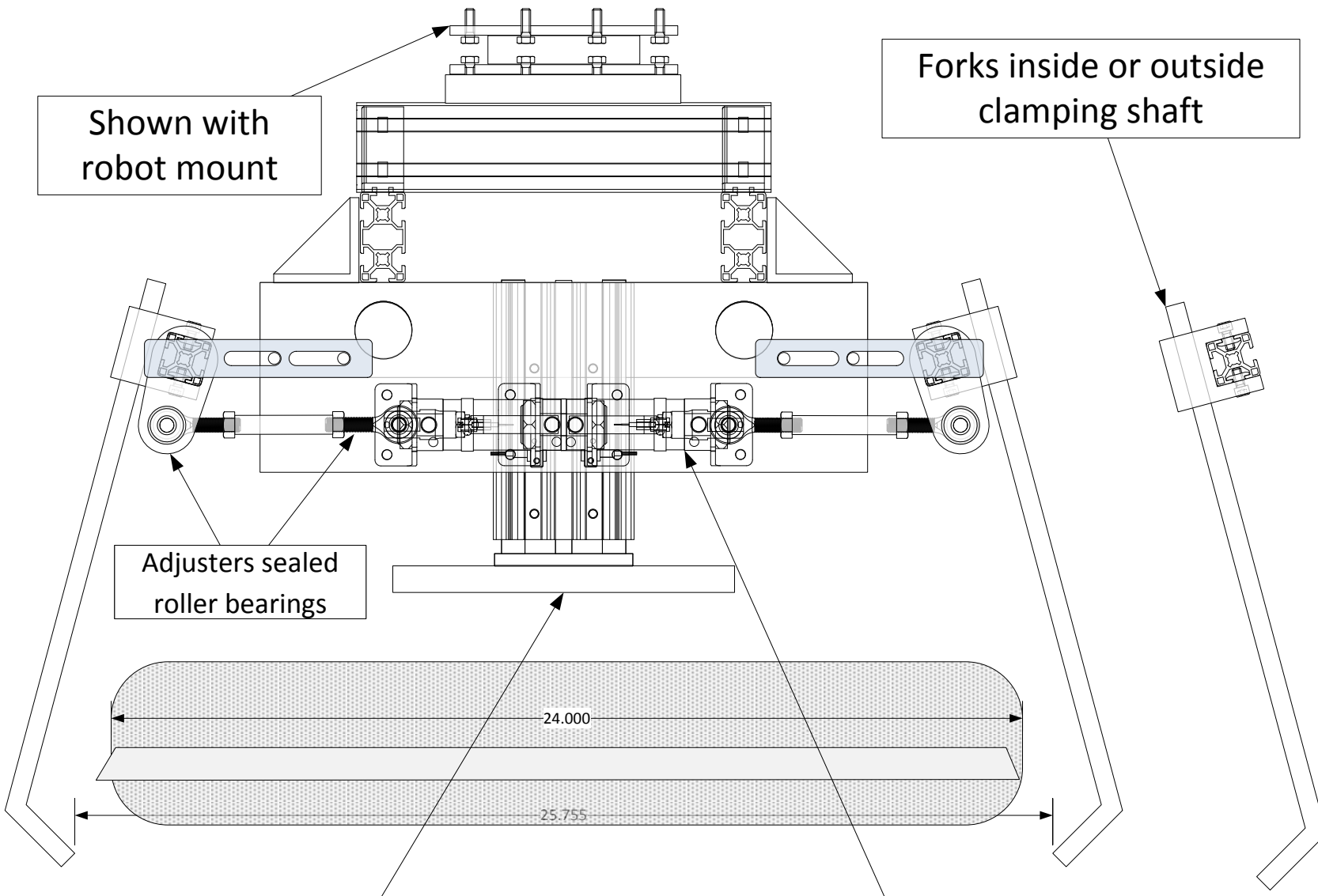
 1371 E Pine Suite 6 Lodi, CA 95240 calrobot.com	Description:	Clamshell Gripper CG100-24 Size 2
	Customer:	
	Detail:	Sid view of tooling
	Engineer:	Jerry Bransom
	Date / Rev:	3/1/2021 Rev2

SIZE 2
CLAMSHELL
GRIPPER

Shown without
robot mounting



Shown with
robot mount




END VIEW

Rods can easily be changed out
We have angle & length options
Shown at 15 degree angle

Compression gripper traps bag in tooling
Independent cylinders on each end
of compressor to shape bags.

Bag Gripping Ranges 24 inches wide (+/- 6 in)
Length of bag is up to 5 feet
Adjustable depth by changing rod length
40 deg (+/- 20deg per rod) motion on clamping rods
Fine tuning gripper by turnbuckle adjustment
Alternate layout by installing forks on inside
Assortment of options for fork angle/length grip
Open design for easy maintenance and cleaning
Optional pneumatic valve can be mounted on tool
Most robots have built in air valves for this tool

 1371 E Pine Suite 6 Lodi, CA 95240 calrobot.com	Description:	Clamshell Gripper CG100-24 Size 2
	Customer:	
	Detail:	Open and Closed views of standard gripping configuration
	Engineer:	Jerry Bransom
	Date / Rev:	3/1/2021 Rev2