

# RB 3D

we multiply your capacity



1A  
20

## THE ELECTRIC PUSHER ASSISTANT

[www.rb3d.com](http://www.rb3d.com)



POSSIBLE  
USES :



▶ Screwing



▶ Deburring



▶ Drilling



▶ Insertion

1A  
20

## EASY AND INTUITIVE START-UP

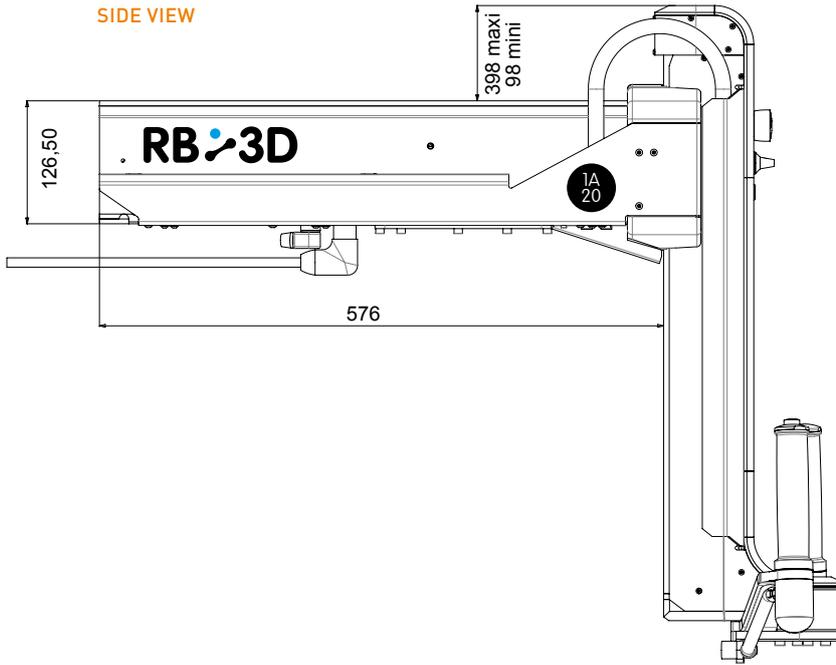
### THE IDEAL ASSISTANT

The 1A-20 cobot is a vertical pusher assistant that facilitates insertion of pieces for clipping operations or tool pushing tasks like drilling, screwing, tapping, deburring operations. In particular cases it can also help handling light weights.

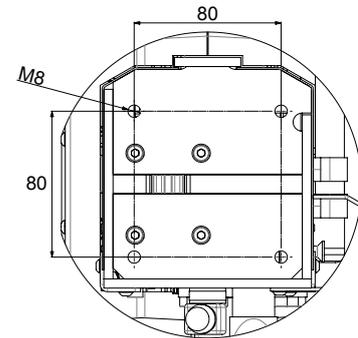
Cobot 1A-20 has following functions :

- ▶ Controlled down push/press
- ▶ Equilibrating tool or load weight
- ▶ Lifting light weight

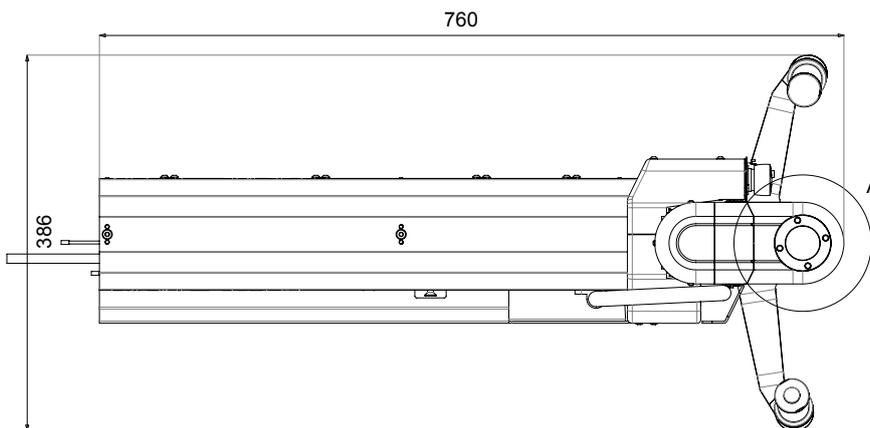
SIDE VIEW



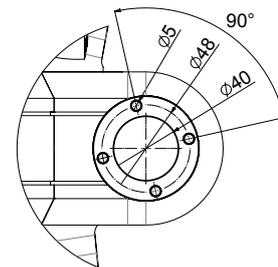
ZOOM REAR FIXATION PLATE



TOP VIEW



ZOOM TOOL FIXATION PLATE



## ADVANTAGES

- EASY AND INTUITIVE START-UP
- ELECTRICALLY POWERED
- SETTING OF BALANCING AND PUSHING STRENGTH
- SETTING SPEED AND STOP POINTS
- SAFETY : IN CONFORMANCE WITH 2006/42/CE

## SAFE DESIGN

RB3D can manage the integration of the cobot 1A-20 with a dedicated service job, including engineering, assembly, installation on a pillar and/or a jib arm mounted on free pivots.

Driving the cobot is done via a specific control handle, that one holds with 2 hands and which has one handle for managing the strength assistance and the other for to start the embedded tool.

## MODULAR AN ERGONOMIC

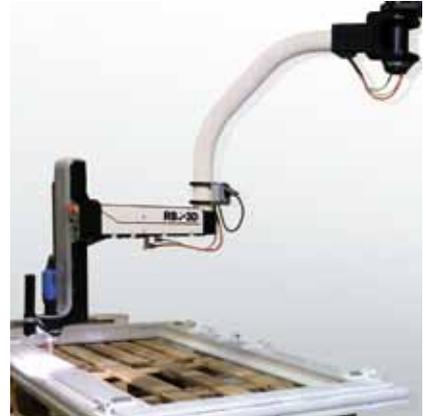
On demand RB3D can modify some features of the 1A-20 cobot for a better fit to your use case needs. Particularly, we can adjust the position, the shape and the dimensions of the handles, in various manners.



Front face view, with buttons for to set equilibrating and force parameters.



In option, after risk analysis, the two-hands handle can be replaced by a specific one-hand handle.



The 1A-20 cobot can be fixed on a dedicated pillar with a jib arm allowing to reach the required area.

## TECHNICAL DATA

Electrical power	250 W / 230 V / 50 hz
Weight	15 kg
Max down strenght	270 N
Height range	300 mm
Max speed	1 m/s
Equilibrating capacity	0 to 7 kg



# RB3D

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## RB3D, INNOVATION AND STRENGTH ASSISTANCE

Thanks to our know-how we design innovative cobotic solutions, to fulfill handling and manipulation needs, in various industrial fields. Our cobots and soon, our exoskeletons will give you the power and stamina to increase your efficiency and achieve strenuous works without MSD risks.

ERGONOMICAL STUDY, ENGINEERING SOLUTIONS  
DESIGN, MANUFACTURING, INSTALLATION