



## TBi FineSpray-2 Spraying Unit

Minimized usage of anti-spatter fluid

Optimum protection of the robot torch

Increased work safety due to a clean welding cell

### Advantages

- Application of anti-spatter fluid evenly all over the torch head
- Avoids the formation of drops on the torch head and thereby possible welding defects
- Considerably lower maintenance and cleaning expenses in the welding cell

### Ordering information

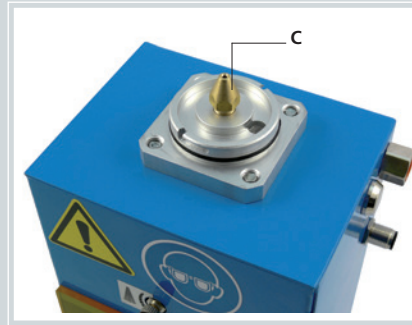
TBi FineSpray-2 spraying unit	531P101262
TBi TipClean anti-spatter fluid (5l)	392P000007
Rubber seal for TBI Tandem torch	531P101324

### Technical data

#### TBi FineSpray-2 spraying unit for robot torches

Function	Minimal quantity spray application inside a closed chamber. No pollution of the environment.
Compatible torches	MIG/MAG robot welding torches, tandem welding torches with nozzles up to max. 41 mm width (front part)
Permitted anti-spatter fluid	TBi TipClean, other products on request
Consumption	One fill of the fluid container (500 ml) for up to 2.500 spray applications
Control	Connection to a potential-free contact or digital output. The spraying duration is programmed via the robot control system.
Compressed air connection	4 - 6 bar, dry and oil-free (a pressure regulator should be installed upstream from the unit to adjust the spraying pressure)
Operating voltage	24 V DC, max. 0.1 A
Dimensions (LxWxH)	120 x 160 x 370 mm
Weight	approx. 3.2 kg

## Overview



- A Rubber cover with opening for torch head
- B Closed spraying chamber
- C Spraying nozzle
- D Container for anti-spatter fluid (500 ml)
- E Collection container for excess anti-spatter fluid
- F Manual spray button
- G Regulator for spray quantity
- H Compressed air connector (G ¼" female)

## Mode of operation

After cleaning, the torch head is inserted into the TBi FineSpray-2 unit and sprayed with an exact quantity of anti-spatter fluid in order to reduce the readherence of spatter. The spraying chamber can easily be taken off for cleaning.

The precise spraying process reduces considerably the consumption of anti-spatter fluid. One fill of the fluid container (500 ml) is enough for up to 2.500 spray applications. The spraying is initiated via the robot control system. By this means, the spraying duration and therefore the applied quantity of anti-spatter fluid can be controlled accurately.

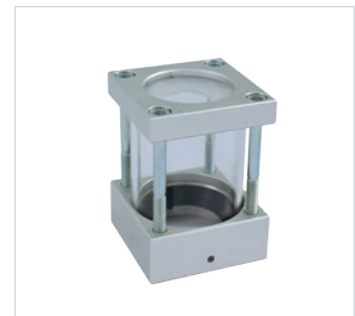
The TBi FineSpray-2 prevents contamination of the robot cell as the dispersed fluid remains inside the closed spraying chamber. Besides the direct cost savings for anti-spatter fluid, the end user also contributes actively to the protection of the environment.

## An optimal supplement to the TBi JetStream

The anti-spatter fluid can only guarantee an effective protection after an optimal cleaning of the torch. For that reason, we recommend to use the TBi FineSpray-2 as supplement to the automatic torch cleaning unit TBi JetStream. Also for existing systems with conventional reamer cleaning, you can benefit by retrofitting the TBi FineSpray-2 unit into the welding cell.



Accessories  
Pedestal  
Part no. 531P101045



Accessories  
Transparent spray chamber  
Part no. 531P101800



TBi JetStream with FineSpray-2



The TBi BRG-2 cleaning stations are readily available with an encapsulated spraying unit.

© 2016 TBi Industries GmbH. All rights reserved. Subject to change without notice. Warranty only when using original TBi consumables and spare parts. Excerpts and reprints not permitted. Nr. DOKP145112, 05/2016.