

Discotom-6



**Versatile automatic
and manual
cut-off machine in one**



- **Automatic and manual cut-off machine in one**
- **Very high cutting capacity**
- **Constant feed speed principle ensures minimum deformation**
- **Automatic feed speed reduction for fast cutting of hard materials**
- **Quick positioning and freely selectable stop position functions**
- **Effective cooling system reduces the risk of burns**
- **Corrosion resistant cutting chamber**
- **Electric motor brake and safety lock ensure operator safety**

Discotom-6 is a high performance table-top cut-off machine with a strong 3.7 kW (5.0 HP) motor. It is designed for cut-off wheels with a diameter of 250 mm (10").

Discotom-6 can be operated both automatically and manually, making it suitable for a wide range of applications.

Automatic Cutting made Easy

Automatic cutting mode is engaged by a simple press key. The cutting table with the clamped workpiece will move forward towards the cut-off wheel at the set feed speed. Before cutting, you can of course position the cut-off wheel to compensate for the wear of the cut-off wheel.



The adjustable cutting table enables parallel sectioning

Monitoring the Load on the Cutting Motor

The front panel includes a three-coloured LED-bar, indicating the load on the cutting motor.

In automatic cutting mode the LED-bar will show the load on the cutting motor and if the red area is reached the feed speed will be reduced. When cutting manually the LED-bar gives a good indication of how much force to put on the workpiece.

Corrosion resistant Cutting Chamber

The cutting chamber, made of corrosion resistant materials, is provided with a 225 mm x 386 mm (8.6" x 15.2") cutting table, which is easily moved up to 200 mm (7.9") by control keys. The cutting table is made of corrosion resistant cast aluminium and is fitted with a top surface of

stainless steel bands. These steel bands are easily exchanged if damaged or worn.

A flush hose makes daily cleaning quick and efficient, and a powerful lamp lights up the cutting chamber allowing you to monitor the cutting process through the large window in the protection guard. An exhaust system may be connected.

Quick and Handy Clamping of the Workpiece

The integrated cutting table has six 10 mm T-slots, facilitating the use of universal clamping tools.

Adding an Adjustable Cutting Table for Parallel Sectioning

An adjustable cutting table is available for mounting on the Discotom-6. It positions the workpiece at a right angle to the cut-off wheel, allowing parallel sections to be cut. The table can move up to 60 mm (2.4").

High Safety Level

Discotom-6 cannot be started while the protection guard is open. During cutting the protection guard is locked, eliminating any risk of injury. A built-in electric, dynamic motor brake stops the cutting motor within a few seconds, ensuring quick access to the cutting chamber after cutting.



For irregularly shaped workpieces the vertical clamping tools are employed



Quick-clamping devices enable easy and fast securing of workpieces



The hour counter registers the hours the cutting motor has been in operation



The flush hose facilitates cleaning



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Technical Data			
Cutting Motor	Cutting power constant [S1]	2.2 - 3.0 kW	3.0 - 4.0 HP
	Cutting power intermittent [S3, 15%]	3.2 - 4.0 kW	4.3 - 5.4 HP
	Maximum power	4.4 - 6.0 kW	6.0 - 8.0 HP
Cut-off Wheels	Cut-off wheel size: 250 mm x 1.5 mm x 32 mm (10" x 0.06" x 1.25") Rotational speed (running idle): 2850 rpm at 50 Hz, 3420 rpm at 60 Hz		
Cutting Table	Cutting table dimensions Width: 386 mm Length: 225 mm		
Dimensions and Weight	Discotom-6 without recirculating cooling unit Width: 794 mm (31.3") Depth: 640 mm (25.2") Height: 458 mm (18.1") Weight: 123 kg (272 lbs)		

Struers' equipment is in conformity with the provisions of the applicable International Directives and their appurtenant Standards. (Please contact you local supplier for details)

Specifications	Code
Discotom-6 Automatic cut-off machine. Automatic feeding with electronic control of feed speed. Ability for manual operation. Cutting table with 10 mm T-slots. 3.7 kW (5.0 HP) motor. Cooling System 3 (05766xxx) is ordered separately.	056761xx
Accessories	
Cooling System 3 With 50 l tank, small pump, Cooli-1, 50 l static filter with filter paper	05766xxx
Adjustable Cutting Table For cutting plane parallel sections. It positions the workpiece at a right angle to the cut-off wheel. Movable up to 60 mm. With 10 mm T-slots and exchangeable stainless steel bands	05116902
Spring Clamp for 10 mm T-slots, Right For retaining the cut-off specimen. Complete with back stop. To be mounted at the right hand side of the cut-off wheel	05116904
Vertical Clamping System for 10 mm T-slots For clamping irregularly shaped workpieces on the cutting table. Clamping height adjustable up to 58 mm. Complete with operating key and one flat clamping shoe	05116905
Quick Clamping Tool for 10 mm T-slots, right For securing the workpiece. To be mounted on the right side of the cut-off wheel. Complete with backstop. Max clamping width: 50 mm	05876910
Quick Clamping Tool for 10mm T-slots, left For securing the workpiece. To be mounted on the left side of the cut-off wheel. Complete with backstop. Max clamping width: 50 mm	05876909
T-slot Turntable for 10mm T-slots 0-90 degree turntable for angular cutting. For use with various 10 mm T-slot clamping tools. Table height 42 mm.	05876905
Riser Block for 10 mm T-slots For elevating Vertical Clamping System (05116905) when clamping high workpieces. To increase the clamping height by 60 mm	05116910
Swivel Shoes for Vertical Clamping System Set of 4 multi-shaped swivel shoes for (05116905)	05116911
Replacement Stainless Steel Band For cutting table on Discotom-6. 1 pc. of 40 mm x 225 mm	05676901

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Struers' products are subject to constant product development. Therefore, we reserve the right to introduce changes in our products without notice.



A wide range of cut-off wheels is available for Discotom-6. Please refer to the separate brochure.