

## Diprofil

# ***DIPROFIL***<sup>®</sup>

The Diprosonic DUS-300 is the new and improved Ultrasonic Finishing System from Diprofil. The Ultrasonic system's main advantage is its very short stroke length (10 – 35 µm) at a very high frequency (18 – 25 kHz). This makes this unit ideal for working in narrow and confined spaces such as cavities and slots where a short stroke length is preferable. For this kind of delicate work, the Diprosonic will give you precise finishing with rapid stock removal in a relatively clean environment without the need for lubricating fluids etc.

The Unit is excellent for use together with Ceramic Fibre Stones and Sintered Diamond Files, but it is also possible to use Electroplated Diamond Files as long as the shank of the used tool is kept as short as possible. Operation is optional by hand or the included Foot-switch and the Unit will automatically find the right frequency for each tool.



## LIMADORAS / AMOLADORAS ULTRASONICAS DIPROFIL



### Accessories (all included with the DUS-300 package)

- Ultrasonic Hand-piece for DUS-300 (DUS-300-HP)
- Hand-piece Cable (DUS-5)
- Power Cord - US type 110V (DUS-6)
- Power Cord - European type 220V (DUS-7)
- Foot-switch (DUS-300-FS)
- 10/11mm Spanner (DUS-8)
- 2,5 mm Hex-key (DUS-9)
- Hand-piece stand (DUS-10)
- Tool-holder 1,1 mm (DUS-11)
- Tool-holder Diam. 3 mm (DUS-30)
- Tool kit Complete, more information below (DUS-300-TK)

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### Technical data

#### Control Unit

|                          |                             |
|--------------------------|-----------------------------|
| Input:                   | AC 90 – 250 V, 50/60 Hz     |
| Ultrasonic Power Output: | 36 W                        |
| Frequency:               | 18 – 25 kHz                 |
| Stroke:                  | 10 – 35 µm                  |
| Dimensions:              | 144(W) x 195 (D) x 95(H) mm |
| Weight:                  | 658 g                       |

#### Handpiece

|              |               |
|--------------|---------------|
| Cord length: | 1500 mm       |
| Dimensions:  | Ø 30 x 131 mm |
| Weight:      | 185 g         |

#### Important Features

- 36 W max output
- Two output levels (high / low)
- Capable of long working periods
- Auto feedback system
- Small, compact and low weight

Item number: DUS-300

### Files and Fibre Stones tool-kit, containing:

- Fibre Stone 4x1x75 mm, grit 250.
- Fibre Stone 4x1x75 mm, grit 400.
- Fibre Stone 4x1x75 mm, grit 700.
- Fibre Stone 6x1x75 mm, grit 250.
- Fibre Stone 6x1x75 mm, grit 400.
- Fibre Stone 6x1x75 mm, grit 700.
- Sintered Diamond File, 4x1x75 mm, grit 200.
- Sintered Diamond File, 4x1x75 mm, grit 400.
- Sintered Diamond File, 6x1x75 mm, grit 200.
- Sintered Diamond File, 6x1x75 mm, grit 400.

#### Separate Item numbers:

CFS-41-250  
CFS-41-400  
CFS-41-700  
CFS-61-250  
CFS-61-400  
CFS-61-700  
DLU-645  
DLU-646  
DLU-710  
DLU-711



Item number: DUS-300-TK