

Corona Treatment System



PURPOSE

Many thermoformed and injection molded parts have very low surface energy levels and do not bond well to adhesives and inks. These materials must be surface treated to attain a higher surface energy and thereby produce strong bonding.

The MultiDyne 1000 Corona Treating System is designed for the treatment of 3-D parts prior to printing, gluing or coating to improve surface energy and a longer lasting bond.

EQUIPMENT

The MultiDyne 1000 includes:

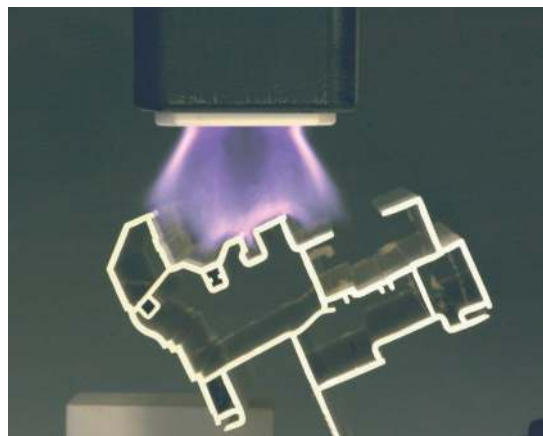
- Generator with transformer
- 1 MultiDyne Head
- Interface for external control
- Footswitch control
- Easy to use, operator control
- Intelligent fault monitoring system

SOLUTION

MultiDyne 1000 Corona Treating System is the perfect solution for adhesion problems on injection, blow molded or extruded parts. It is designed for a wide variety of applications including the treatment of complex 3-D parts. MultiDyne 1000 effectively treats surface uniformly and consistently using a process-controlled system.

MultiDyne can be used as a stand-alone unit or incorporated into existing or new product lines. In use, polymer parts, received manually or from a production line, pass under the electrodes while an air stream spreads the corona field, ensuring uniform treatment of the entire exposed surface. Standard treating heads deliver treatment of up to 2.5" in width. Length and height vary by application

MultiDyne 1000 alters the molecular structure of the part and thereby raises the surface energy improving wettability. Corona is one of the most effective methods for surface treatment. It is gentle yet powerful; improving the bonding of paint, ink, adhesive and coating.

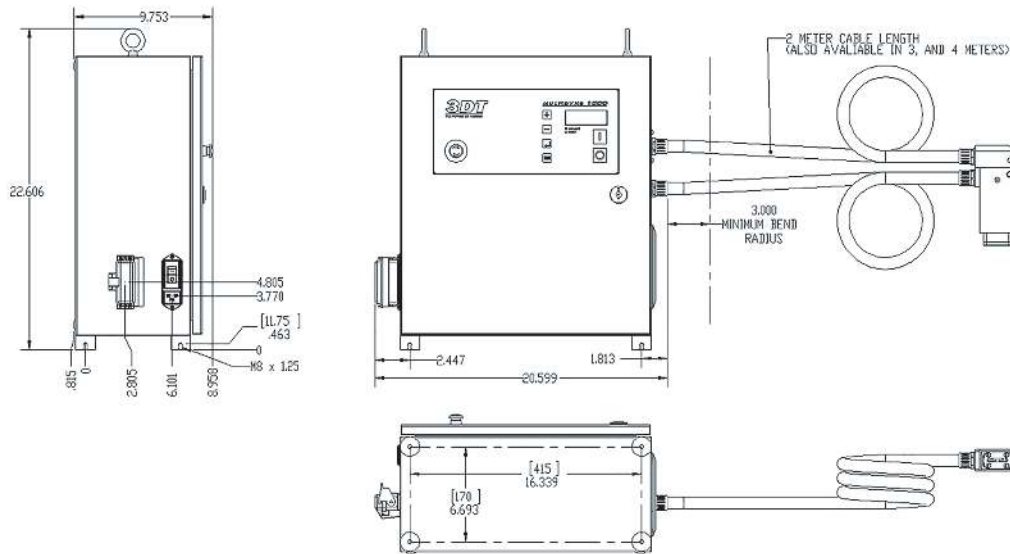


MultiDyne 1000



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SPECIFICATIONS

Model:	MULTIDYNE 1000
Part #:	10000-67, -69, -71, -73
Number of heads:	1
Power Output:	800W watts
Voltage at Electrode:	2 x 12 kV
Mains Voltage:	100-240V
Voltage Fluctuations:	± 10%
Frequency:	50/60Hz
Phase:	Single
Input Power:	1.5 kVA
Circuit Breaker:	16 Amp
Output Contacts Rating:	S.P.S.T., 125VAC, 30VDC, 2A
Ambient Temperature Range:	+ 5°C to +40°C
Relative Humidity (non-condensing):	50% at 40°C
Maximum Altitude:	6560 feet above sea level (2000m)
Noise emissions:	78 dB(A)
Optimal Treating Distance:	.20" (5mm)
Max. Treating Area w/Treating Head in Stationary Position:	2.50" x 1.60" (65 x 40mm)
Timer Adjustment Range:	.1 - 25.5 seconds
HV Cable and Air Conduit Length:	Standard, 78" (1,980mm)
Length Available:	Special Up to 17' (5m)

DIVERSIFIED 
PRINTING TECHNIQUES

37 YEARS **1983** **2020**

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