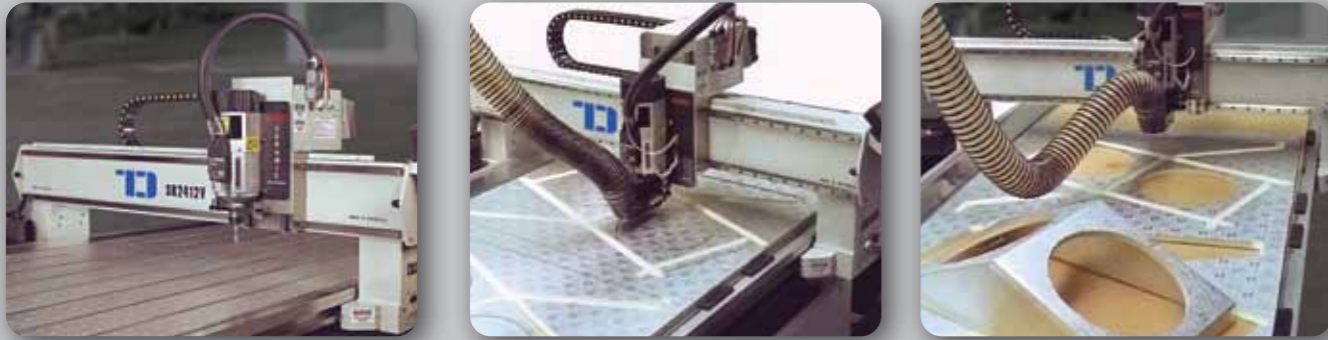


## CUTTING MACHINE



This machine is a specially designed solution to help revolutionize the production and manufacture of pre-insulated aluminium duct construction. The machine powered by cam-duct & tool path software that bring a complete solution for the fabrication of TDI duct, using duct maker series of routers and specifically designed automatic tool changer, "V" cutting and cutting the panel shapes can be done in one process, giving massive saving in all aspects of manufacture.

## SUPPORTING TOOLS



1. 45° Left or Right and 90° Straight Cutter Knife



2. V Cutter Knife



3. Manual Bending Tools



4. Aluminium Ruler (1200 mm & 4000 mm)



5. Table complete with carpet for cover (4 x 1.2 m)



6. Electric Bending Machine



# TDI

Pre-Insulated  
Aluminium Duct

## INTRODUCTION

**TDI Pre-Insulated Aluminium Duct** is specialized in the air distribution field and the answer to economical, technical and constructive question.

TDI Pre-Insulated Aluminium Duct is a sandwich panel composed of a layer base from good fire retardant rigid polyisocyanurate (PIR) foam covering both side with aluminium foil, the aluminium guarantees sturdiness and withstand corrosion in long term use.

TDI pre-insulated duct has been developed and spread around the world, its application has been gradually extended to all type of air distribution system such as industrial, commercial and civil.

TDI Pre-Insulated Aluminium Duct is considered A GREEN PRODUCT MATERIAL.

## PRODUCT ADVANTAGES

- Better thermal insulation
- Fire Safety Class 0
- Air Quality and Hygiene
- Easy to construct and modify
- Light weight
- Energy saving and efficient
- Low labour cost

## PRODUCT SPECIFICATION

Thickness of Panel	: 20 mm
Density of PIR	: 50 +/- 2 kg/m <sup>3</sup>
Compressive Strength	: 200 N/mm <sup>2</sup>
Thermal Conductivity	: 0.019 W/m.C
Flame Retardant	: Class 0
Friction Coefficient	: 0.0135
Weight	: 1.46 kg/m <sup>2</sup>
Working Temperature	: -60° C to 80° C
Humidity	: 0-100%
Pressure in Duct max.	: 2000 Pa
Air Flow max. recomended:	12 m/s



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## PRODUCT ACCESSORIES

