

NUSID CLEAN TECH

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GSTIN: 06CUHPS4443N1Z1

NUSID CLEAN TECH CNC PLASMA CUTTING TABLES WITH AUTOMATIC FUME EXTRACTION SYSTEM

Plasma Fumes are carcinogenic – they are extremely harmful for the health of people working not only in the specific area but also in other departments and offices in the vicinity. They must be removed.

NUSID CLEAN TECH has been a pioneering organization which has taken initiative to develop solutions for healthier working conditions in the industry. The exceptionally efficient automatic fume extraction system based tables for CNC plasma cutting, is yet another milestone in the same journey.

WHAT IS SO SPECIAL ABOUT NUSID CLEAN TECH'S PLASMA CUTTING TABLES?

A state-of-the-art Automatic Fume Extraction system. (The best in the world)

Very Low power consumption

Nearly 100% efficiency of Fume extraction

Heavy-duty construction for long life

Minimum number of moving parts

Most economical

Very Low maintenance (nearly zero)

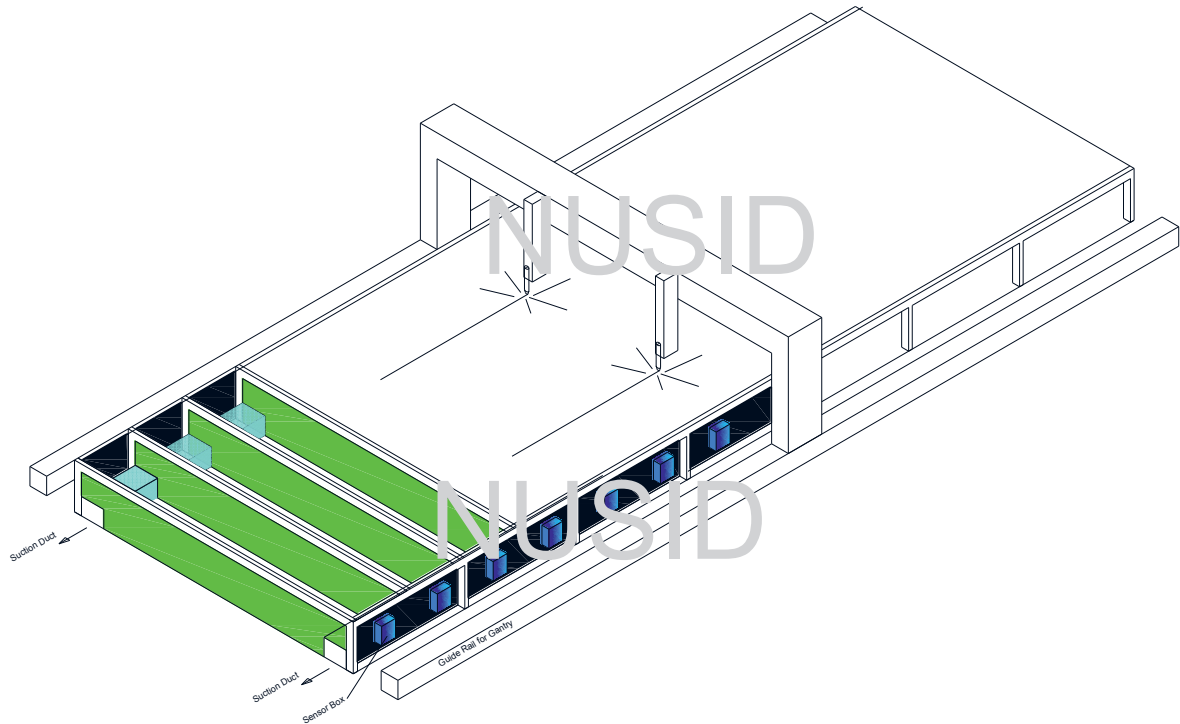
Options available either to remove fumes before exhausting clean air OR exhaust untreated through a stack.

The scrap is collected in removable trays – engineered for quick and easy disposal. The production can continue while trays are emptied from the unutilized part of the table.

A large number of installed machines – even 10 year old – that are working faultlessly.

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CNC PLASMA TABLE GA DRAWING

(Note: The drawing above is a GA drawing to give an idea of the product. It is neither complete nor to scale)

The table sections are assembled and bolted together. The suction ducts, which have pneumatically actuated dampers (one in each section, in each duct). These dampers are actuated by solenoid valves that are controlled by a non-contact proximity sensor. An "Actuator Bar" is attached with the Plasma Cutting machine's moving gentry.

The fume laden air sucked through the one or two ducts (depending on the width of the table) shown in the GA drawing, is sucked by a centrifugal blower specially designed for the application. The dusty air is either discharged into environment through a high stack (normally 15 mtr high) or filtered through NANO Filters specially imported for this purpose. The filters are maintained cleaned with the help of automatic "Reverse Pulse-jet" controlled by a microprocessor based sequence controller. The filtration quality leaves the air so clean that it is better than the ambient air. The dust is collected in a container under the system.

Notes:

- a. *This system is not an add-on system for existing tables. If FES is to be retrofitted on an existing Plasma Cutting Machine the old table has to be discarded.*
- b. *Grating on the table can be supplied as an optional item.*