

# Thermal cutting

## **MAIN PROBLEM:**

Large amount of smoke in the cutting zone. The task is capturing of the smoke and cleaning the air. The size of sheets being cut: up to 2x6m.

## **SOLUTION:**

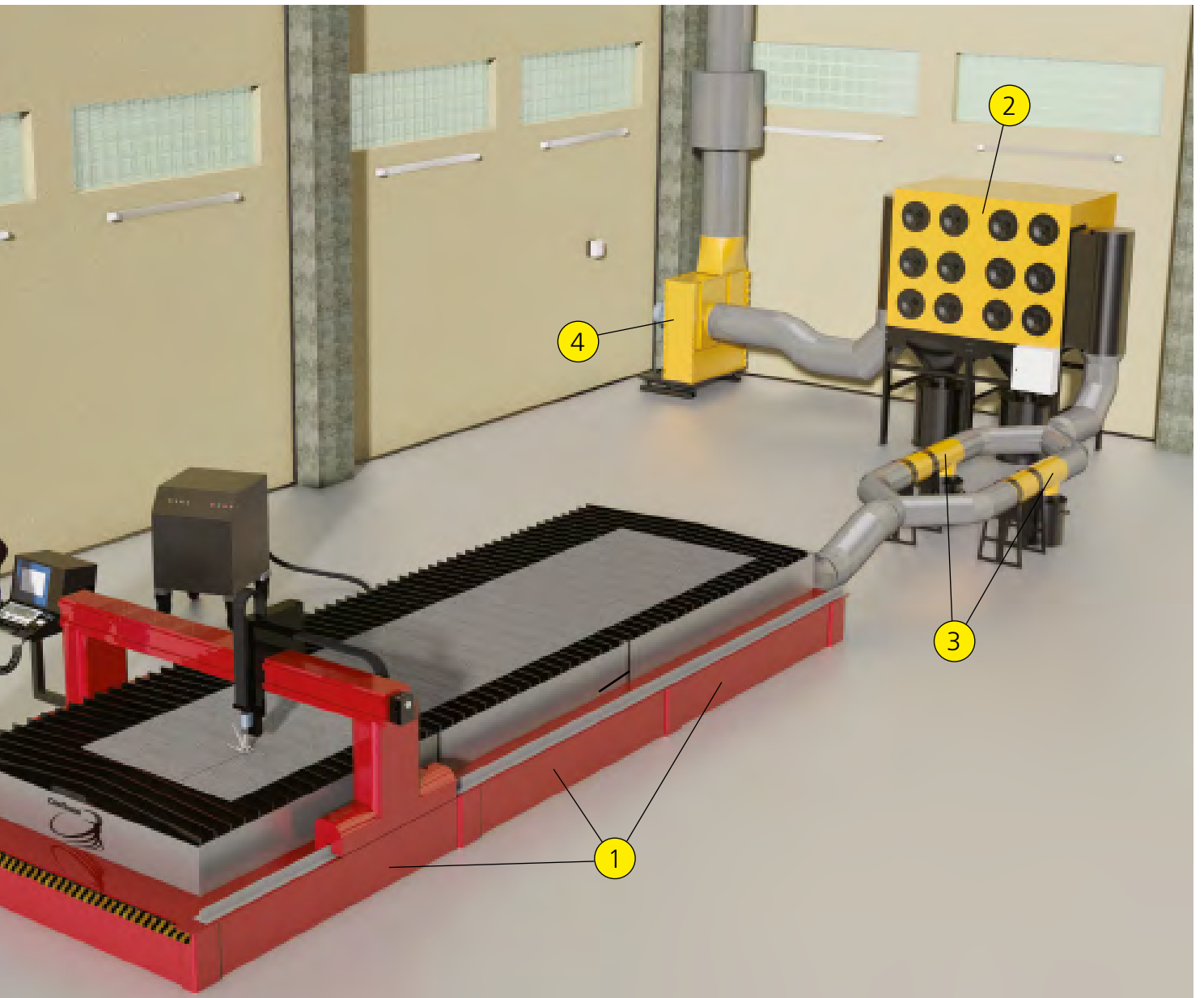
Sectional exhaust table made of standard modules 2x2m put in one row with one side extraction along the table length due to small width of the table. Air filtration via stationary 12 cartridge mechanical filter. Cyclones used as pre-separators.







Sectional exhaust table CCT view 1



Sectional exhaust table CCT view 2



## EQUIPMENT USED FOR SOLUTION:

Equipm.	Pos. on pic.	Description	Pcs
	①	Sectional exhaust table <b>CCT 20x20</b> for thermal cutting consisting of several modules and intended for placing the sheet metal and removing of the combustion products allocated during thermal cutting.	3
	②	Stationary self-cleaning filter <b>DCSC-S-12-T12</b> designed to clean the air from dust particles; welding, plasma, laser, gas cutting aerosols and similar particles released during various manufacturing processes in industrial shops.	1
	③	Direct flow cyclones <b>CPO-2500</b> are being used for cleaning dusty environments from medium - coarse dust. Cyclone design provides its installation (inset) directly into the duct through which, the polluted air is moving.	2
	④	High pressure fan <b>TEF-9000</b> .	1