

FLEXI I – WELDING FUME – SIR JOHN A. MACDONALD HIGH SCHOOL



APPLICATION

Sir John A Macdonald Secondary School is the largest capacity school in Hamilton-Wentworth District School Board and one of the most multi-cultural schools outside Toronto.

They needed an exhaust solution for their welding booths in the shop that would meet the following criteria:

- Efficient exhaust
- Easy to use
- Good flexibility

SOLUTION

Source Capture: - The welding fume is captured at source by using Flexi I extraction arms.

Convey/Transport of dust: - Once captured the fume is transported through the extraction arm and rigid duct drop to the main ductwork which is centralized in a larger duct which goes to the exhaust fan.

Exhaust: - The main duct is coupled to an outside placed exhaust fan.

DESCRIPTION

Five	(5)	Flexi-I Extraction Arm
Two	(2)	P-Max© direct drive fan 1 HP 230V/1/60
One	(1)	2 HP direct drive fan 230/1/60
Three	(3)	Silencer for P-Max series fan
One	(1)	Ceiling stanchion 2m (6.5') for Flexi Extraction Arms



INDUSTRY

Education

TESTIMONIAL

"We needed a solution to remove the welding fume generated in our shop. LEV-CO delivered and installed a highly efficient exhaust solution that meets our needs entirely. The system is working well and our students and teachers are very content with it."

Peter CIPRIANI,
Manufacturing Teacher,
SIR JOHN A. MACDONALD HIGH SCHOOL,
HAMILTON