

# Working area

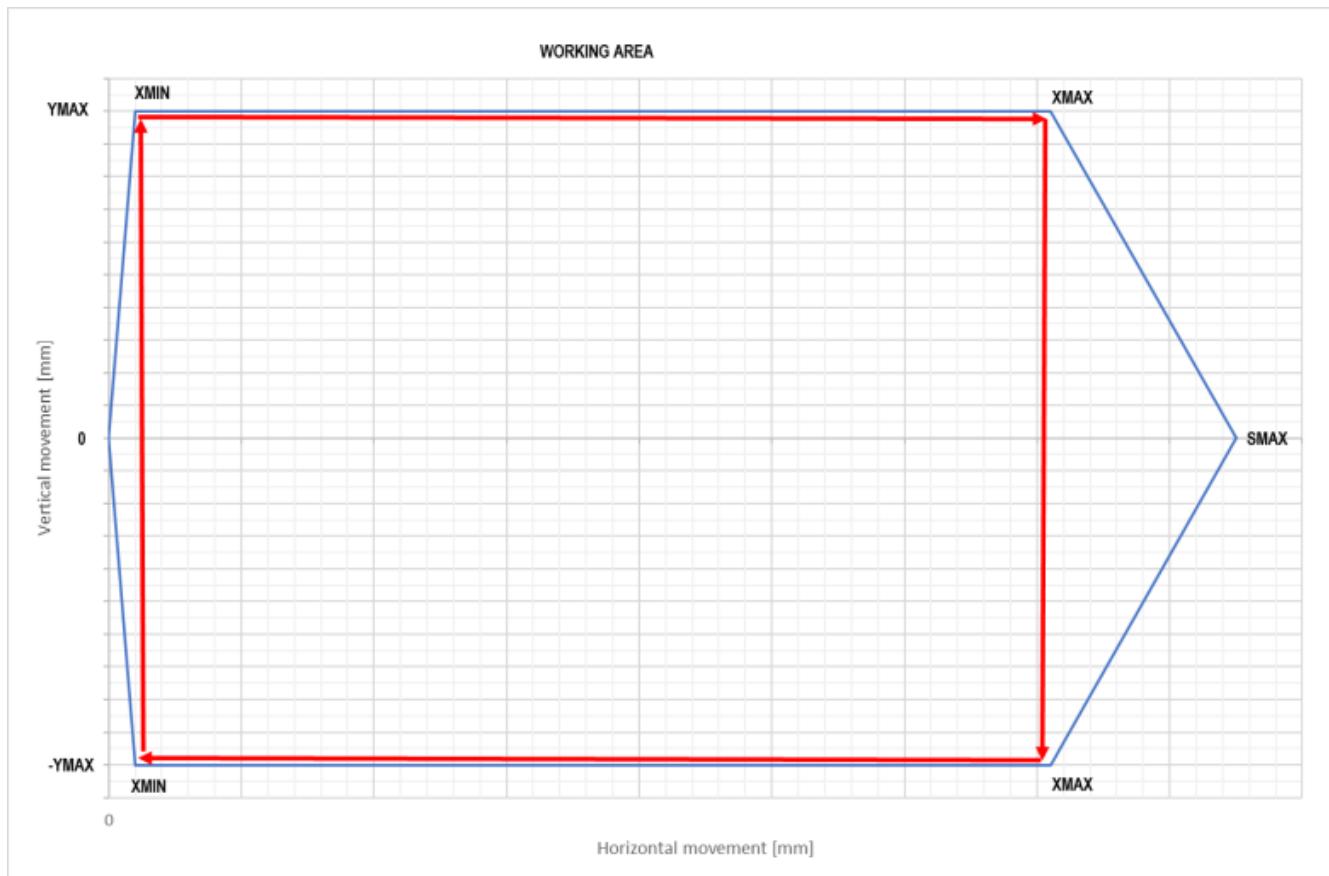
The working area inside the Red rectangle in the graph below can be calculated using the following formula.

**XMIN** = 10 mm.

**SMAX** = Linear motor total stroke.

**YMAX** = Robot\_arm\_length x SIN(40°). For example with arm length of 175mm  $\Rightarrow$  110mm, **-YMAX** = -110mm.

**XMAX** = **SMAX** - (Robot\_arm\_length / 2). For example **Smax** = 425mm - 87,5mm  $\Rightarrow$  337 mm.



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