

## Polifab Pricing List

Approvato da Consiglio Scientifico in data 27/01/2020

Approvato da CdA Politecnico di Milano in data 30/06/2020

Description	External users	Unit
Clean Room Access	215	per people <sup>(1)</sup>
Process Specialist	90	per hour
Technician	70	per hour
Safety Course	180	per people
<b>Photolithography Area</b>		
SEM (LEO 1525) as SEM+EDX	50	per hour
RAITH module for EBL	70	per hour
Laser writer (Heidelberg MLA100)	50	per hour
Mask aligner (SUSS MA8)	50	per hour
Spin coater Karl Suss (RC8 MS3)	10	per hour
Plasma Cleaner PVA Tepla 200	10	per hour
Microscope Leica INM200 with stage UV	free	per hour
Resist Development Wet Bench + Rinser Dryer	20	per hour
Hot Plate Sawatech HP401	free	per hour
Hoven HMDS	10	per hour
Photolithography (Mask aligner + full resist cycle)	130	per hour
<b>Wet Area</b>		
Wet Bench grande SPM + Rinser Dryer	35	per hour
Wet Bench piccola SPM + Rinser Dryer	30	per hour
Wet Bench Lift off + ultrasonic bath	20	per hour
<b>Deposition and Plasma Etching Area</b>		
E-beam evaporator Unaxis BAK640 (Evatec)	75	per hour
PECVD STS Multiplex CVD (Oxford)	75	per hour *#
Kenosystec Magnetron sputtering	25	per hour **
Kenosystec Ion Milling (6 inches)	75	per hour
IBE (Veeco), 2" gun with neutralizer 200V - 1kV	25	per hour **
AJA confocal magnetron sputtering	75	per hour *
RIE (ICP Oxford)	75	per hour
Manual Sputtering Leybold	50	per hour *
Electrodeposition bench 4" Yamamoto	40	per hour
Ink-jet aerosol Printer Ceradrop	75	per hour *
Pulsed Laser Deposition	75	per hour *#
Thermal Evaporator Moorfield	75	per hour
<b>Thermal treatment</b>		
Hereus drying oven	10	per hour
Hereus curing oven	10	per hour
Carbolite tube furnace	20	per hour
Muffle Nabertherm	20	per hour
<b>Characterisation and Metrology Area</b>		
Spectroscopic ellipsometer (Wollam)	20	per hour
Optical Microscopes ( Leica FTM200, Mitutoyo, etc)	free	per hour
Prism Coupler Metricon	10	per hour
Wafer gauge Eichorn Hausmann MX203-8	5	per hour
AFM Agilent 5600	50	per hour
Profilometro P17	20	per hour
XPS	70	per hour ** #
<b>Back End</b>		
Probe Station Suss PM5	15	per hour
Probe Head Jandel RM3	free	per hour
Dicing saw Disco 341	40	per hour #
PDMS Wet Bench	30	per hour
Acid Wet Bench	20	per hour
Wire bonding K&S	15	per hour
Scriber Dynatek	20	per hour
Anatech Metallizator	20	per hour
<b>Workshop Area</b>		
Workshop Service	free	per hour #
<b>Areal Rent</b>	180	€/mq/month

<sup>(1)</sup> up to 1500 Euro per month

\* minimum reservation time 2h

\*\* minimum reservation time 4h

# staff personnel mandatory

Noble materials not included