

Material	Common property/characteristic	Available sizes
EPE foam (a.k.a PE foam)	General foam, economical for packing solutions Color: white,black, or Pink (Antistatic)	Thickness: 1mm to 100mm <20mmT: in rolls of 1M(W) x 50M/100M/300M 25mmT onwards: 1M(W) x 2M(L)
XPE foam	Cross link PE foam-highly Flexibility, resistance to weather and chemical. General use for Thermal insulation, moisture resistance, sound and vibration control in building/construction industries Color: Grey. Available in FR (Flame retardant) and non-FR grade	Thickness: 5mm to 20mm Width:1M or 1.2M Length: max 80M/roll
NBR sponge	Closed cell Nitrile Sponge. Airtight and waterproof, excellent cool and heat insulation property. Typical used in temperature control of cooling system. Temperature range -40degC to 100degC. Flame retardant (FR) sponge. Color: black	Thickness: 1/8" (3mm) to 1" (25mm) Standard roll size: 4ft x 30ft
PU foam	PolyUrethane Foam -semi closed cell foam. Very soft foam, typical use for Upholster and packing, or as barrier to air and moisture (insulator) Available in normal grade (yellowish white) or FR grade (grey color)	Thickness:3mm onwards Standard size: 1Mx 2M (FR) , 42" x 75" (non-FR)
EVA foam	Closed cell foam, flexible and resilience. Good cushioning property. Use for Packing, toys, sport ware etc Color: Black or white	Thickness: 1mm to 50mm Standard Size: 1M(W) x 2M(L)
EPDM Foam	Closed cell EPDM foam, excellent resistance to thermal aging and ozone. Great for use as seal gasket (outdoor/indoor). Temperature range: -30degC to 100degC Color: black	Thickness: 1mmT onwards Standard size: 1M x 2M
CR foam	Closed cell Neoprene (CR) foam. It is heat, cold, water and ozone resistant. It is air tight, water proof and has excellent elongation and reboundicity. It is flame retardant foam Color:Black	Thickness: 1mmT onwards Standard size: 1M x 2M

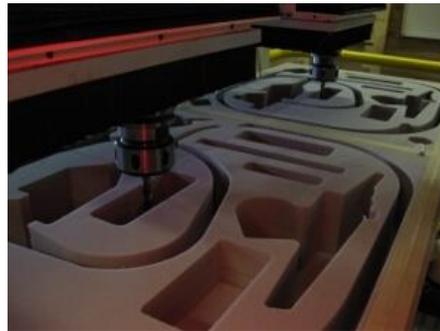
*All foam can be applied with Tape.

Typical foam cutting method and converting:

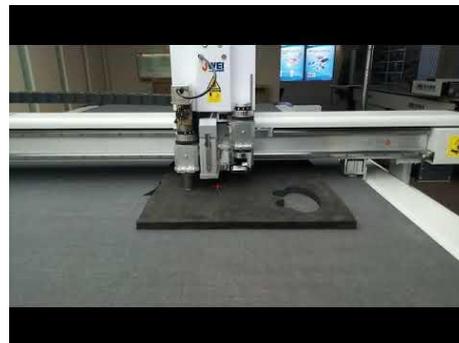
- 1) Die cutting
- 2) CNC router cut
- 3) CNC knife cut
- 4) Tape lamination (cold lamination)
- 5) Foam to foam/Foam to plastic/Foam to rubber/Foam to paper lamination

Type of machine

- 1) CNC Router



- 2) CNC knife cutting



- 3) Die cutting



Example foam Cutting/Converting

