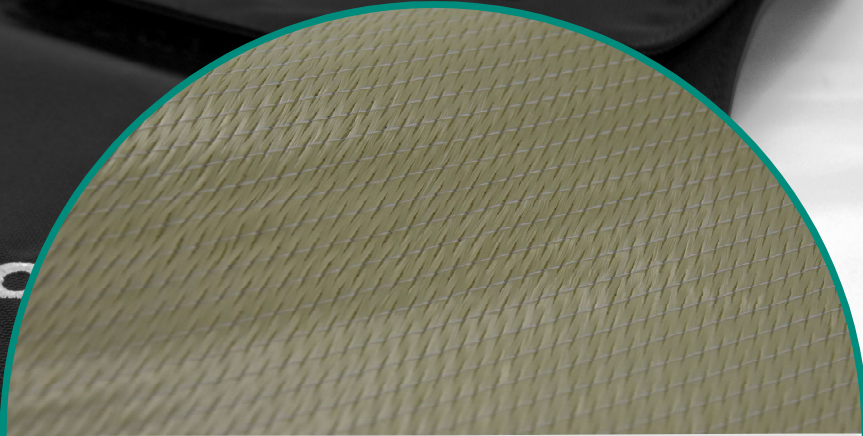


NCF for Protective Textiles

COP MAX 5

High-performance warp knitting machine for the production of multiaxial non-crimp fabrics

Article no.	50138b		
	end use	Protective textiles	
	lapping		
Machine	type	COP MAX 5	
	gauge	E 5 = 5 Needles per inch resp. needles/25,4mm	
	machine width	50 inch	
	number of guide bars	1	
Production			
Fabric Parameters	fabric weight	185 g/sqm greige fabric	
	courses	3,3 courses/cm	
	wales		
	fabric width		
Yarn	GB2: polyester text. 50 dtex f24		
	Weft: +45° 3360 dtex aramid 90 gsm		
	Weft: -45° 3360 dtex aramid 90 gsm		
	GB 2	weft	weft
Threading		full	full/
	1-0/0-1//		
Finishing	reinforcing components		
Output	Up to: 125 m ² /h- see calculation example		



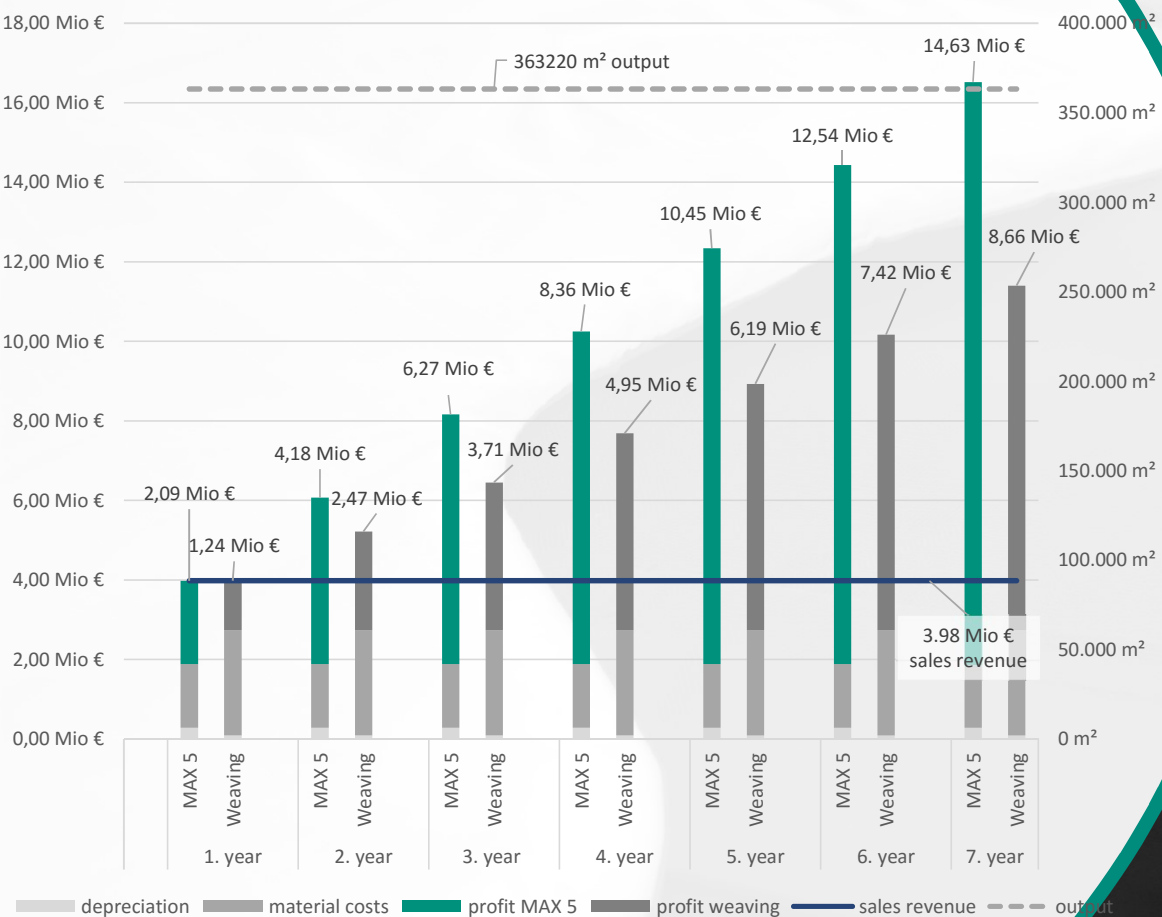
Calculation Example

working width: w= 1,65 [m] = 65 [inch]
machine speed: s= 425 [courses/min]
courses: c= 3,3 [courses/cm]

output: $\frac{w \cdot s \cdot 60 \text{ [min/h]}}{c \cdot 100 \text{ [cm/m]}} \text{ [m}^2\text{/h]}$
127,50 [m²/h]

NCF for Protective Textiles

Comparison: Aramid Processing - COP MAX 5 - Weaving



180 gsm base fabric @ 125 m/h 65" working width
 Based on 8h per day; 220 days per year production and equal output
 Fiber 930 dtex = 40 €/kg
 Fiber 3360 dtex = 23.5 €/kg

TECHNICAL TEXTILES
 产业用纺织品

COP MAX 5

available machine configurations

working width: 50", 100", 130"
gauge: E5, E6, E7, E10, E12, E14
materials: e.g. carbon, aramid, polyester