

Sen FX-450 Speed Chart

182T plate cylinder (circumference 577.85 mm) · Max. 200 rpm · Max. line speed 60 m/min (intermittent) / 80 m/min (full rotary)

Repeat Length (mm)	Machine Speed (rpm)	Line Speed (m/min)	Output (prints/hour)
Intermittent mode			
20 – 90	200	4.0 – 18.0	12,000
100	200	20.0	12,000
110	200	22.0	12,000
120	200	24.0	12,000
130	200	26.0	12,000
140	200	28.0	12,000
150	200	30.0	12,000
160	200	32.0	12,000
170	200	34.0	12,000
180	200	36.0	12,000
190	200	38.0	12,000
200	200	40.0	12,000
210	200	42.0	12,000
220	200	44.0	12,000
230	200	46.0	12,000
240	200	48.0	12,000
250	200	50.0	12,000
260	200	52.0	12,000
270	200	54.0	12,000
280	200	56.0	12,000
290	200	58.0	12,000
300	200	60.0	12,000
310	193	59.8	11,580
320	187	59.8	11,220
330	181	59.7	10,860
340	176	59.8	10,560
350	171	59.9	10,260
360	166	59.8	9,960
370	162	59.9	9,720
380	157	59.7	9,420
390	153	59.7	9,180
400	150	60.0	9,000
410	146	59.9	8,760
420	142	59.6	8,520
430	139	59.8	8,340
440	136	59.8	8,160
450	133	59.9	7,980
460	130	59.8	7,800
Full rotary mode			
577.85 (fixed)	138	80	8,280

How to read: up to 300 mm repeat the press runs at its maximum 200 rpm, so line speed rises with the repeat. From 300 mm the press reaches 60 m/min, and longer repeats keep 60 m/min with fewer cycles per minute.

Output = one print per cycle (rpm × 60). Speeds shown are maximum machine speeds; actual production speed depends on substrate, ink, plate and die-cut conditions.