Pattern Reference: Section 2, Linear Waves, cut parallel.

Fancy Waves, Straight Line

These patterns are in work surface geometry group 1.

Scalability: Not directly scalable, but by changing the size of the pattern bar, scalability can be achieved, provided different sized bars are available or it is economical to make them to order.

All of the patterns on this page are cut using just the pattern bar illustrated here. This consists of a repeating sequence of two small zig zags and a larger wave. By manipulating the bar vertically in different ways, generated these examples are generated.


*Segment from 1 005 Fancy Basket Pattern Bar, scanned at 400dpi, illustrated here approx **4 x actual size** on a 100 dpi screen*
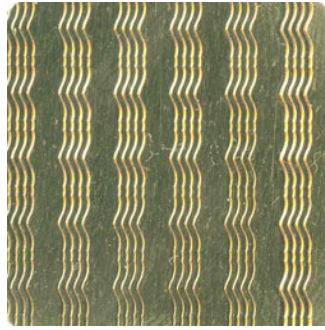
Example Geometries of the numerous Applications:
Pens, Tubes and cylindrical shapes cut along the axial direction, flat surfaces, slightly domed surfaces - such as brush backs, hip flasks cut vertically.
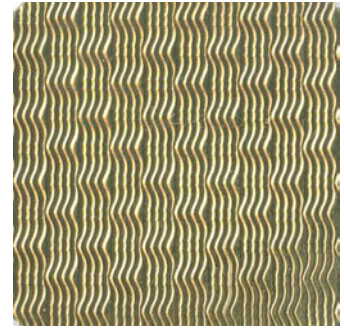
All pattern images on this page are illustrated at approx twice life size.
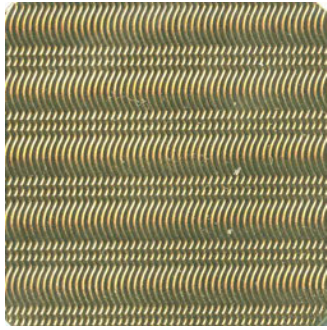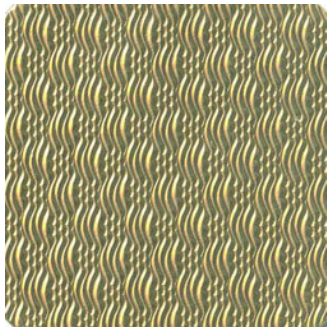
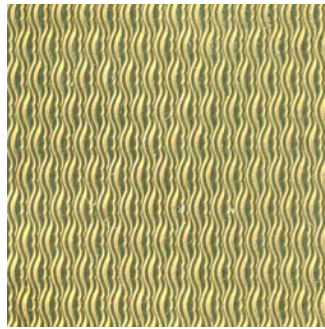*1 The basic wave form, repeated across the work*

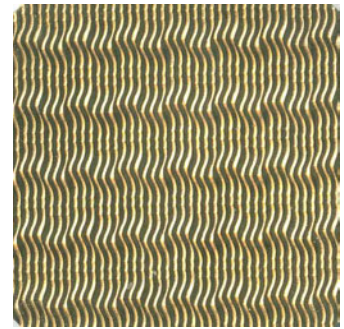*2 The same pattern, with uncut spaces interspersed after 4 cuts*

3 "Fancy Basket " Cut 4 cuts, then move ("cross") the pattern bar vertically half it's full length and repeat
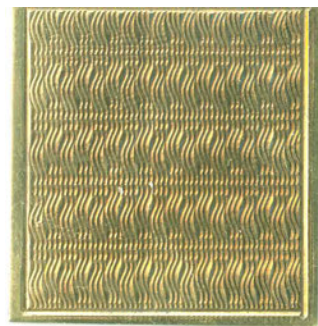

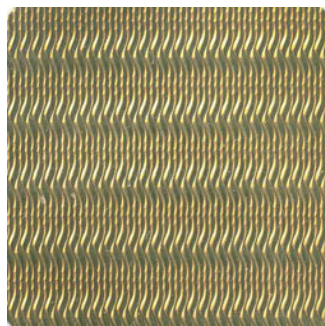*4 Double-Crossed Fancy Basket 4 cuts short cross then long cross*

5 2-cut Fancy Basket 2 cuts, then long cross and repeat

6 4 cuts then short cross only and repeat Not attractive, but informational

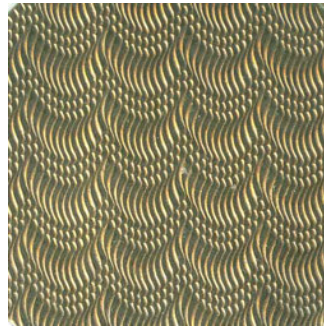*7 Crossed about 1/3 the long cross every 4th cut*

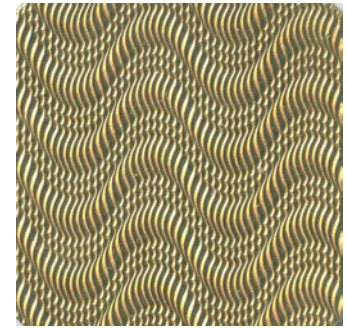*8 Crossed every cut half the shorter wave length*

*9 Zig Zag Move up 4 cuts then down 4 cuts etc*

10 If we miss a cut at the bottom of the zig zag, the pattern looks distinctively different from the original at right
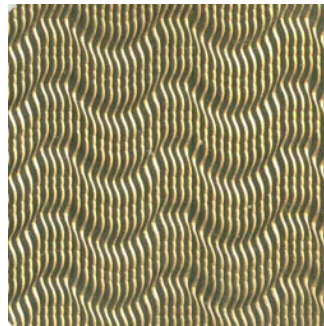

11 By gradually reducing the crossing movement, we can create a curve, then repeat the sequence in reverse to create a drape
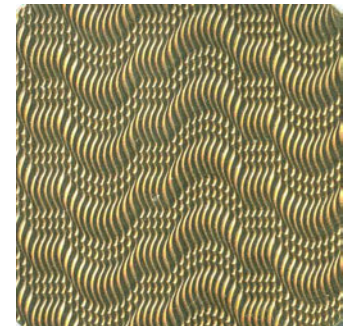

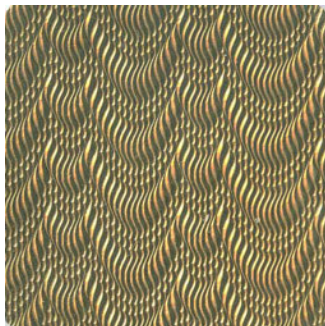12 If we invert the entire numerical crossing sequence every other drape, we get moiré
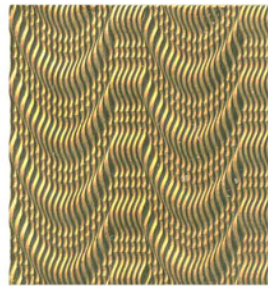
13 If we don't cross at the top of the drape for a few cuts, another distinctive pattern emerges: Barred Drape
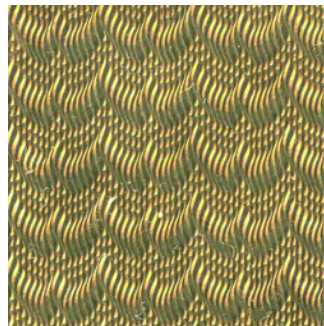

14 Another barred drape Varying the numbers in the crossing sequence changes the shape of the drape

15 A Barred Moiré

16 A drape with two separate numerical sequences

17 A drape with a kink at the bottom - a small zig zag

18 Combining drape with straight lines