CLAIMS

1. Apparatus for transcribing a profile of a reference surface to a target surface comprising; at least one marking portion operatively associated with a reference surface following portion, the at least one marking portion extending laterally beyond the perimeter of the reference surface following portion and comprising at least one marking region forming an angle of 90°or less at its outer extent.

2. The apparatus as claimed in claim 1, wherein the reference surface following portion comprises a planar surface which is relatively large compared to the perimeter of the apparatus.

3. The apparatus as claimed in claims 1 or 2, wherein the at least one marking portion is adapted for positioning the at least one marking region in co-planar relationship with the reference surface following portion.

4. The apparatus as claimed in claims 1 to 3, wherein the operative association comprises threaded engagement of the at least one marking portion and the reference surface following portion to a threaded shaft.

5. The apparatus as claimed in claims 1 to 4 wherein the at least one marking region comprise at least one removable scribing tip.

6. The apparatus as claimed in claims 1 to 5 wherein the at least one marking region are separated by an angle of 90° to 180°.

7. The apparatus as claimed in claims 1 to 6 wherein the at least one marking region are separated by an angle of 120°.

8. Apparatus according to claim 1 wherein the at least one first marking portion is disposed relative to at least one second marking portion at an angle in the range of 90° to 180° such that the profile of the reference surface can be transcribed to a second target surface.

9. Apparatus for transcribing a profile of a reference surface to a target surface comprising; a reference surface following portion and at least one marking portion, wherein

the at least one marking portion is rotatably repositionable with respect to the reference surface following portion along an interconnecting shaft and the position of the at least one marking portion is lockable relative to the reference surface following portion at any point along the interconnecting shaft.

10. A method of transcribing a profile of a reference surface to a target surface the method comprising the steps of:

identifying a maximum gap between the reference surface and the edge of the target surface;

engaging a reference surface follower means with the reference surface;

rotating a target surface marker means relative to the reference surface follower means such that a separation between the target surface marker means and the reference surface follower means corresponds to at least the maximum gap;

maintaining the separation at a constant distance;

moving the reference surface follower means along the reference surface whilst maintaining contact between the target surface marker means and the target surface.

11. A method as claimed in claim 10, wherein the step of maintaining constant separation between the target surface marker means comprises counter rotation of a locking portion.

12. A method of manufacturing a profile transcription apparatus, the method comprising the steps of:

provision of at least one marking portion and a reference surface following portion; and

provision of a threaded shaft means adapted for operative association with the at least one marking portion and the reference surface following portion, wherein the at least one marking portion is adapted for rotatable repositioning along the threaded shaft means.

13. Apparatus for transcribing a profile of a reference surface to a target surface according to claim 1 wherein the at least one marking portion is coaxially positionable with respect to a reference surface following portion wherein the at least one marking portion is adapted to accommodate a zero offset between the reference surface and the target surface.

14. Apparatus as claimed in any one of claims 1 to 9 or 13 wherein the reference surface following portion comprises a recess adapted to receive the marking portion therewithin such that a scribing tip of the marking portion is located proximate a central longitudinal axis shared by the reference surface following portion and the marking portion.

15. Apparatus as claimed in any one of claims 1 to 9 or 13 wherein the reference surface following portion has a foot plate comprising a first section and a second section angled with respect to the first section, where:

the first section is adapted for extending the second section over an additional structure adjacent the intersection of the reference and target surfaces, and;

the second section extends from the first section towards the target surface, and comprises a recess for substantially accommodating the marking portion within the second section for marking the target surface.

16. Apparatus as claimed in any one of claims 1 to 9, 13 or 14 wherein the at least one marking portion and the reference surface following portion are adapted to engage with target and reference surfaces, which are one of:

substantially orthogonal;

disposed at an acute angle to each other, or;

disposed at an obtuse angle to each other.

CLAIMS

1. Apparatus for transcribing a profile of a reference surface to a target surface comprising; at least one marking portion operatively associated with a reference surface following portion, the at least one marking portion extending laterally beyond the perimeter of the reference surface following portion and comprising at least one marking region forming an angle of 90°or less at its outer extent.

2. The apparatus as claimed in claim 1, wherein the reference surface following portion comprises a planar surface which is relatively large compared to the perimeter of the apparatus.

3. The apparatus as claimed in any one of claims 1 or 2, wherein the at least one marking portion is adapted for positioning the at least one marking region in co-planar relationship with the reference surface following portion.

4. The apparatus as claimed in any one of claims 1 to 3, wherein the operative association comprises threaded engagement of the at least one marking portion and the reference surface following portion to a threaded shaft.

5. The apparatus as claimed in any one of claims 1 to 4 wherein the at least one marking region comprise at least one removable scribing tip.

6. The apparatus as claimed in any one of claims 1 to 5 wherein the at least one marking region are separated by an angle of 90° to 180°.

7. The apparatus as claimed in any one of claims 1 to 6 wherein the at least one marking region are separated by an angle of 120°.

8. The apparatus as claimed in any one of claims 1 to 7 wherein the at least one first marking portion is disposed relative to at least one second marking

portion at an angle in the range of 90° to 180° such that the profile of the reference surface can be transcribed to a second target surface.

9. Apparatus for transcribing a profile of a reference surface to a target surface comprising; a reference surface following portion and at least one marking portion, wherein

the at least one marking portion is rotatably repositionable with respect to the reference surface following portion along an interconnecting shaft and the position of the at least one marking portion is lockable relative to the reference surface following portion at any point along the interconnecting shaft.

10. A method of transcribing a profile of a reference surface to a target surface the method comprising the steps of:

identifying a maximum gap between the reference surface and the edge of the target surface;

engaging a reference surface follower means with the reference surface;

rotating a target surface marker means relative to the reference surface follower means such that a separation between the target surface marker means and the reference surface follower means corresponds to at least the maximum gap;

maintaining the separation at a constant distance;

moving the reference surface follower means along the reference surface whilst maintaining contact between the target surface marker means and the target surface.

11. A method as claimed in claim 10, wherein the step of maintaining constant separation between the target surface marker means comprises counter rotation of a locking portion.

12. A method of manufacturing a profile transcription apparatus, the method comprising the steps of:

provision of at least one marking portion and a reference surface following portion; and

provision of a threaded shaft means adapted for operative association with the at least one marking portion and the reference surface following portion, wherein the at least one marking portion is adapted for rotatable repositioning along the threaded shaft means.

13. Apparatus for transcribing a profile of a reference surface to a target surface according to claim 1 wherein the at least one marking portion is coaxially positionable with respect to a reference surface following portion wherein the at least one marking portion is adapted to accommodate a zero offset between the reference surface and the target surface.

14. Apparatus as claimed in any one of claims 1 to 9 or 13 wherein the reference surface following portion comprises a recess adapted to receive the marking portion therewithin such that a scribing tip of the marking portion is located proximate a central longitudinal axis shared by the reference surface following portion and the marking portion.

15. Apparatus as claimed in any one of claims 1 to 9 or 13 wherein the reference surface following portion has a foot plate comprising a first section and a second section angled with respect to the first section, where:

the first section is adapted for extending the second section over an additional structure adjacent the intersection of the reference and target surfaces, and;

the second section extends from the first section towards the target surface, and comprises a recess for substantially accommodating the marking portion within the second section for marking the target surface.

16. Apparatus as claimed in any one of claims 1 to 9, 13, 14 or 15 wherein the at least one marking portion and the reference surface following portion are adapted to engage with target and reference surfaces, which are one of:

substantially orthogonal;

disposed at an acute angle to each other, or;

disposed at an obtuse angle to each other.

17. Apparatus for transcribing a profile of a reference surface to a target surface comprising; at least one marking portion operatively associated with a reference surface following portion, the at least one marking portion extending laterally beyond the perimeter of the reference surface following portion and comprising at least two marking region having a scribing tip formed at an angle of 90° or less in a plane perpendicular to the target surface,
and wherein the at least one marking portion is adapted for positioning the at least two marking regions in co-planar relationship with the reference surface following portion and wherein the marking regions are separated by an angle of about 120°.

18. Apparatus for transcribing a profile of a first reference surface to a second target surface, the apparatus comprising; at least one first marking portion disposed relative to at least one second marking portion at an angle in the range of 90° to 180° and wherein the at least one marking portion is adapted for positioning the at least one marking region in co-planar relationship with a reference surface following portion.

19. Apparatus for transcribing a profile of a reference surface to a target surface comprising; a reference surface following portion and at least one marking portion, wherein:
the at least one marking portion is rotatably repositionable with respect to the reference surface following portion along an interconnecting shaft and the position of the at least one marking portion is lockable relative to the reference surface following portion at any point along the interconnecting shaft, and
wherein the at least one marking portion is coaxially positionable with respect to the reference surface following portion and wherein the at least one marking portion is adapted to accommodate a zero offset between the reference surface and the target surface.

20. Apparatus as claimed in claim 18 or 19 wherein the reference surface following portion is configured to have a scribing tip of the marking portion located

adjacent the reference surface following portion and operative around a central longitudinal axis shared by the reference surface following portion and the marking portion.

21. Apparatus as claimed in claim 18 or 19 wherein the marking portion has a first section and a second section angled with respect to the first section, where:
the first section is adapted for extending the second section over an additional structure adjacent the intersection of the reference and target surfaces, and;
the second section extends from the first section towards the target surface, and is configured to have the marking portion adjacent the second section for marking the target surface.

22. Apparatus as claimed in claim 18 or 19 wherein the at least one marking portion and the reference surface following portion are adapted to engage with target and reference surfaces, which are substantially orthogonal.

23. Apparatus as claimed in claim 18 or 19 wherein the at least one marking portion and the reference surface following portion are adapted to engage with target and reference surfaces, which are disposed at an acute angle to each other.

24. Apparatus as claimed in claim 18 or 19 wherein the at least one marking portion and the reference surface following portion are adapted to engage with target and reference surfaces, which are disposed at an obtuse angle to each other.