CLAIMS

1. Crimping unit (1) for crimping a base on to a can body comprising:

- a first plate (10) mounted to rotate around a first axis on a frame (3) and connected to first rotational driving means (11);
- a first lever (50) mounted to pivot on the first plate (10) and equipped at a first end (52) with a first wheel (54);

characterised in that a first actuator is connected to the second end (72) of the first lever (50) with the first actuator being governed by an electronic control unit (7) in order to move the first wheel (54, 65) so as to vary the distance between the first wheel (54, 65) and the first axis according to the angular position of the first plate (10) around the first axis,

wherein the first actuator comprises a second plate (20) mounted to rotate around the first axis and second rotational driving means (21) of the second plate (20).

2. Crimping unit (1) according to claim 1, comprising a second lever (60) mounted to pivot on the first plate (10) and equipped at a first end (62) with a crushing wheel (64), a second actuator that is connected to the second end (76) of the second lever (60),the second actuator being governed by the electronic control unit (7) in order to move the second wheel (65) so as to vary the distance between the second wheel (65) and the first axis according to the angular position of the first plate (10) around the first axis.

3. Crimping unit (1) according to claim 2, wherein the second actuator comprises a third plate (30) mounted to rotate around the first axis and third rotational driving means (31) of the third plate (30).

4. Crimping unit (1) according to any of the preceding claims, wherein:

- the first rotational driving means of the first plate (10) comprise a first reduction servomotor (11), the drive shaft (12) of which is integral with a first pinion (13) interacting with a first toothed wheel (14) integral with the first plate (10);
- the second rotational driving means of the second plate (20) comprise a second reduction servomotor (21), the drive shaft (22) of which is integral with a second pinion (23) interacting with a second toothed wheel (24) integral with the second plate (20).

5. Crimping unit (1) according to any of claims 2 to 4, wherein

- the third rotational driving means of the third plate (30) comprise a third reduction servomotor (31), the drive shaft (32) of which is integral with a third pinion (33) interacting with a third toothed wheel (34) integral with the third plate (30).

6. Crimping unit (1) according to any of claims 3, to 5 wherein the first rotational driving means comprise a first shaft (15) connecting the first toothed wheel (14) to the first plate (10) and wherein the second rotational means comprise a second hollow shaft (25) connecting the second toothed wheel (24) and the second plate (20),and wherein the second hollow shaft (25) extends around the first shaft (15) extends around the second hollow shaft (25).

7. Crimping unit (1) according to any of claims 4 to 6, wherein the first rotational driving means com-prise a first shaft (15) connecting the first toothed wheel (14) to the first plate (10) and wherein the third rotational means comprise a third hollow shaft (35) connecting the third toothed wheel (34) and the third plate (30) and wherein the

third hollow shaft (35) extends around the first hollow shaft (15).

8. Crimping unit (1) according to claim 6 or 7, wherein the first shaft (15) is a hollow shaft extending around the mandrel support shaft (40).

9. Crimping unit (1) according to claim 8, wherein the mandrel support shaft (40) comprises an ejector (8.1) to separate the can (90) from the mandrel (42) after crimping.

10. Crimping unit (1) according to any one of claims 2 to 9, comprising:

- a third lever (51) mounted to pivot on the first plate (10) and equipped at a first one end (53) with a winding wheel (55);
- a fourth lever (61) mounted to pivot on the first plate (10) and equipped at first end (63) with a crushing wheel (65);

wherein the second end (73) of the third lever (51) is connected to the winding actuator and the second end (77) of the fourth lever (61) is connected to a crushing actuator.

11. Crimping unit (1) according to any one of the preceding claims, wherein the electronic control unit (7) is configured such that each portion of a junction between the base (92) and the can (90) undergoes two passages of a winding wheel (54, 55) before undergoing at least one passage of a crushing wheel (64, 65).

12. Crimping unit (1) according to any one of the preceding claims, comprising means of adjusting the height (5) of the frame (3).

13. Crimping unit (1) according to any one of the

preceding claims, comprising means of positioning (9) the can (90) directly above the mandrel (42).

14. Crimping unit (1) according to claim 13, wherein the means of positioning (9) the can (90) comprise an electric jack (9).