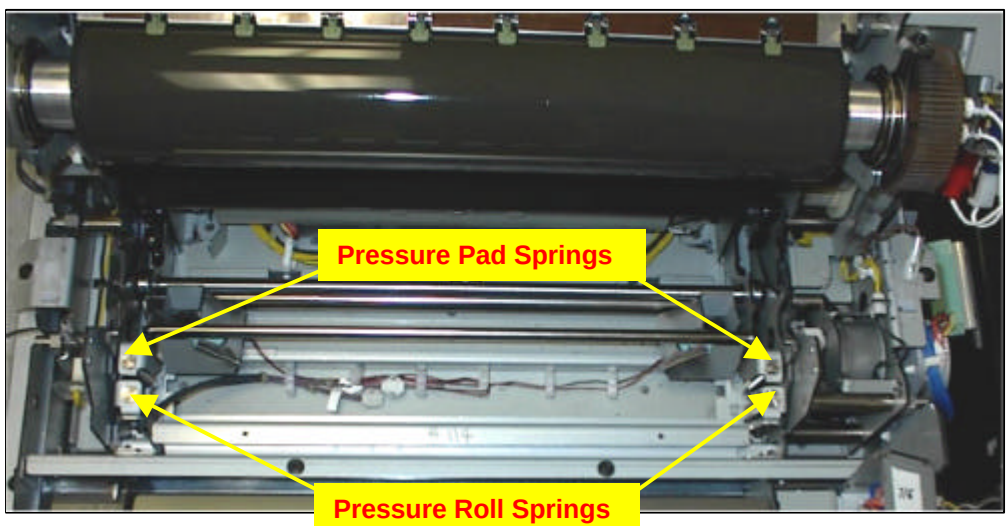
Fuser Nip Pressure

The Pressure Roll, Fuser Belt and Pressure Pad are cammed up to the Fuser Roll together. This is done by the Fuser Belt Latch Motor (a stepper motor). The cam height, and thus the nip pressure, is controlled by the **motor on time** in microseconds.

NOTE: This does not adjust the pressure across the fuser nip, although the control is in the NVM, i.e. more time = greater cam pressure. The NIP adjustment is done via 4 set screws, an i/b and o/b set for the Pressure Roll Springs, and Pressure Pad Springs. See the Fuser Nip Adjustment in the Service Data for more detail.



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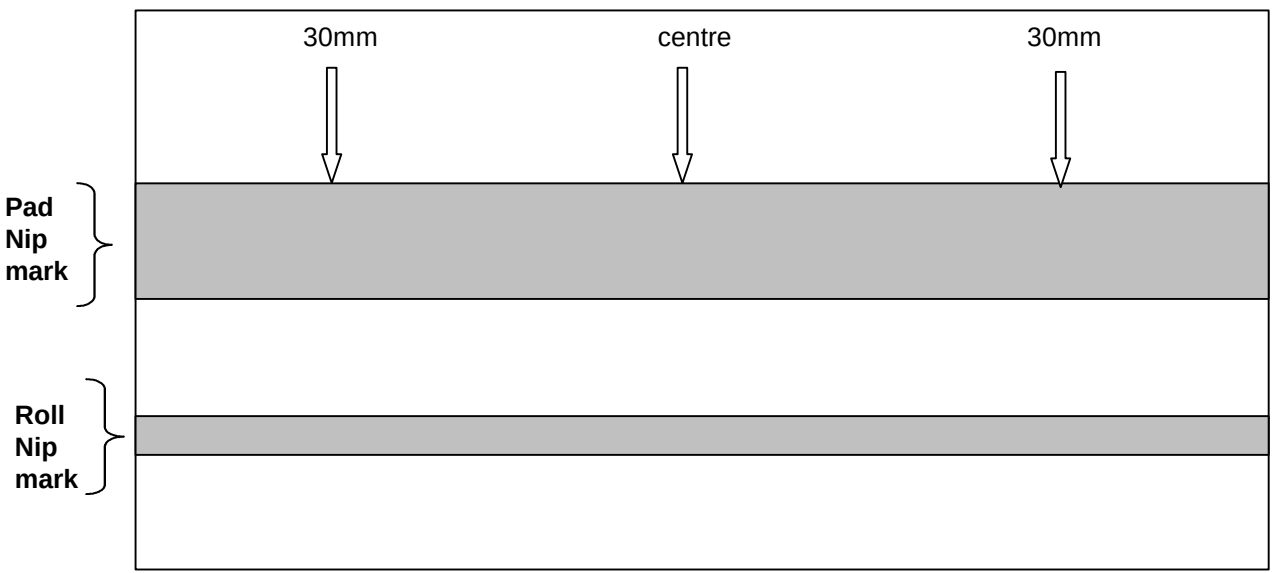
Fuser Nip Pressure (continued)

During the NIP adjustment, the machine run control will run a dark dusting and the paper stays in the Fuser NIP for 5 seconds. When released and ejected the paper will have two NIP marks. 1 thick (Pressure Pad) mark and 1 thin (Pressure Roll) mark.

The marks are measured in 3 places, 30mm from each edge and one in the middle, the specs are as follows:

roll nip mark = 4.5mm +.2 / -0
pad nip mark = 15mm +2 / -1



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