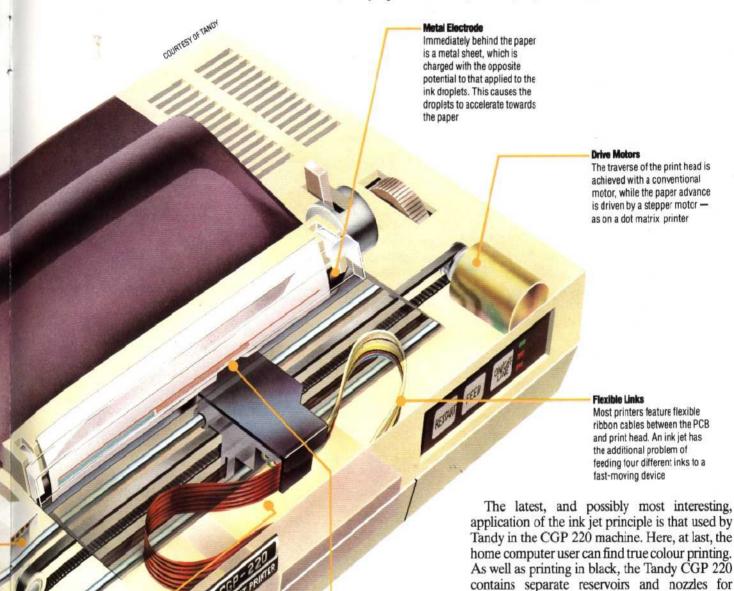
passes of the printing head to create each line of characters, but this is speeded up by allowing the printer to operate in both directions. While the first buffer's worth of characters is being printed out in this way, the next buffer is being filled for printing as soon as the first one is empty. The only difference between the ink jet and the matrix unihammer is that the former fires electrically charged droplets of ink at a page, while the latter imprints a needle through an ink covered ribbon.

In their commercial form, ink jet printers can

produce a printed sheet in just a few seconds. The quality of printout, however, can depend on the paper quality: the more absorbent the paper, the more the ink soaks in and blurs the image. At their best, ink jet printers can produce an output quality several times better than that of a dot matrix printer. For large volume business printing they are perfectly adequate. If you need high quality and high speed printing, then the laser printer (which works on the same principles as a photocopier) is the only answer.



**Print Head** 

Ink Packs

Special ink has to be used to prevent the jets from

constantly blocking. Black ink

comes in a separate pack to

because it is used more often

the red, blue and yellow

This contains four nozzles

piezoelectric cells, which provide pulses of pressure

that create the blobs of ink

(one for each of the inks) and

together.

Compared to the colour printing achieved from multi-coloured ribbons fitted to matrix printers, the results from the Tandy system are considerably better. The penalty for this is, surprisingly, not the price, but the fact that the paper used has to be absorbent, and therefore the printout can be rather blurred. Perhaps this is not really such a big price to pay for a full colour printout of your work.

magenta (red-blue), cyan (blue-green) and yellow inks. These colours may be unfamiliar to those used to working with colour graphics on a television screen, but they are the painter's

equivalent of red, green and blue, and it is possible

to produce the entire spectrum by mixing them