

INJECTION MOLDING DEVICE AND METHOD

ABSTRACT

5 A micro silicone mold mounted plunger injection system comprises a
silicone cartridge assembly, a micro plunger injection assembly and a cold
deck nozzle assembly. In this system, these three components are
interconnected directly such that it has a greatly reduced material flow path
length and diameter. The system is capable of displacing an amount of
material in a single shot substantially equal to the desired shot weight required
10 to make a component.

Fig. 4A