

Can a printer print itself anew while being worn out?

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Introduction

Self-repairing robots are taking more importance with time; as a first approximation to this field, we use a robot which specialty is creating new parts, a 3D printer.

Preliminary Steps

Communication Channel

We start the work focusing on the communication PC-Printer. We are willing to use serial communication as suggested by some knowledgeable group members. We will first establish communication between well-known and controllable devices (PC-Arduino Nano), and after we can jump to the communication PC-Printer.