Click and Print Protocol Diagram

Protocols:
───── HTTPS
───── Bidirectional messaging protocol: MQTT / WebSocket

MyMiniFactory Mobile App

3D Printer

myminifactory.com

HTTPS API

MQTT / WS API

Pairing phase

Printer registration (serial number)
POST /printer

Unique pairing code

Scan displayed QR code

Link MMF user <-> printer serial number

Repeated frequently All the time

↻

Printer status
Ready/Busy/Temperature/Progress...

Printing Initialization

-Choose 3D model
- Print Preview

Launch print

Fast Slice 3D model

Print task
Unique task code / URL

Request gcode (task code)
GET /printer-file

Gcode file

Printing phase

User actions (pause/play/cancel)

Printer task (pause/play/cancel)}