# Introduction

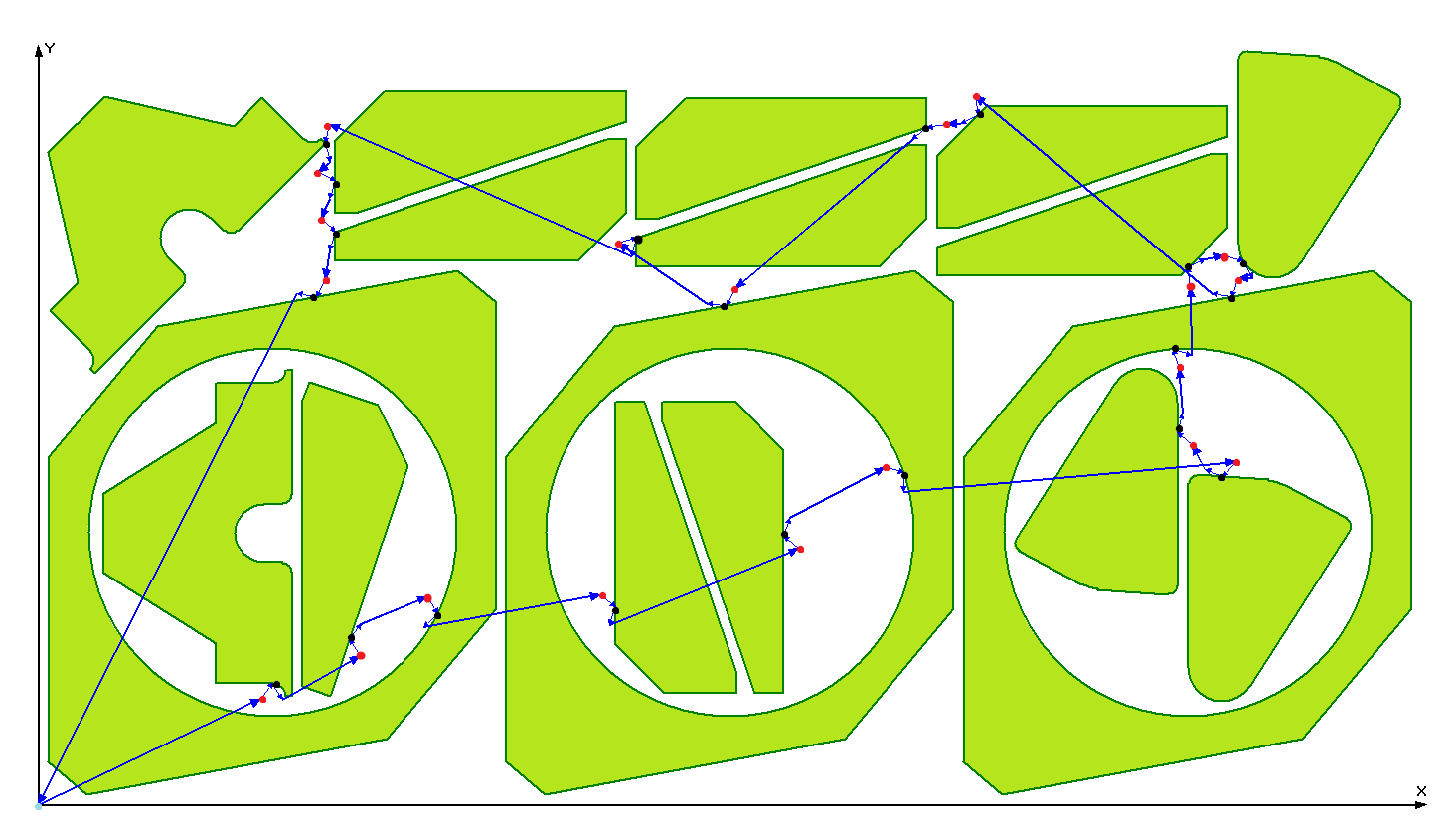


Figure 1. Example of cutting path for CNC machine for 17 parts (20 contours)

GSCCP

GSCCP

TSP

GTSP

CCP

ECP

SCCP

ICP

GSCCP

Finite set of piercing points for each contour

Fixed piercing point for each contour

Continuum set of possible piercings and

the points for enter into contour

Figure 2. Classification of cutting path problems for CNC sheet cutting machines