CLEAN ROOM 1 TO BE DATA FLOW DIAGRAM

LEGEND

External entity

Data store

Information flow

Process

Technical office

Part's drawing

Windchill

Program Management Office

OdP creation

OdP

- Name of the products to be manufactured
- Manufacturing cycle
- Drawing number + progressive number

Industrialization office

Number of the plybook

Equipment + inserts BOM

Part's drawing

C3

- Name of the products to be manufactured
- Drawing number + progressive number
- Number of the plybook
- Mould/pattern drawing number
- Location of the mould/pattern

Program Management Office

OdA creation

LN

Record of material delivery

Incoming goods staff

Delivery schedule

BUY material delivered/not delivered

LEGO

Floor managers

Location of the mould/pattern

Scheduled production phase

Daily schedule for operators

MAKE/BUY material

Equipment + inserts BOM

BUY material delivered/not delivered

Delivery schedule

Daily plan

- Available stock
- Vertical store

BUY material delivery schedule

BUY material delivered/not delivered

MAKE/BUY material

- Available stock of insert
- Vertical store

Inserts BOM

Gestione giacenze 2.0

Register picking

Name of the products to be manufactured

Available stock of ply kits Vertical store

Equipment BOM

Available stock of moulds/ patterns Vertical store

0.0 Pick ply kits and scan barcode

0.1 Check in-stock material availability of equipment

Material available in stock

Material not available in stock

0.2 Check in-stock material availability of inserts

Material available in stock

Material not available in stock

1.0 Prepare kit

1.1 Pick equipment and scan QR code

1.2 Visually check autoclaves for moulds curing status

Moulds in autoclave

Moulds not in autoclave

1.3 Pick inserts and scan QR code

1.4 Check type of material

MAKE material

BUY material

2.0 Delay kit preparation

2.1 Check moulds extraction and preparation room

2.2 Check upstream COMP departments

2.3 Check status of delivery from suppliers

Material delivered

Material not delivered

3.0 Check composites inbound materials area

3.1 Check delivery schedule

Delivery scheduled (sufficient time)

Delivery not scheduled (unsufficient time)

4.0 Delay kit preparation

4.1 Contact purchasing department