![Libellula logo]

Libellula.UNFOLD
从3D到2D只需一次点击

From 3D CAD to flat development for sheet metal cutting

Industrial manufacturing control
Synergy driver for the enterprise
Optimization of business performance

SI ENGINEERING GROUP

Libellula.UNFOLD

从3D到2D只需一次点击

Overview about Libellula.UNFOLD

From 3D to 2D. With 1 click

Libellula[UNFOLDER]是一个3D 设计/展开软件, 它能导入各种CAD文件, 并自动展 开. Libellula[UNFOLDER]非常简单易学, 是一个快 速且高效的一个软件系统.

单机操作

Libellula[UNFOLDER]是一个独立的系 统, 并不需要其它软件以及3DCAD软件的支 持.

Libellula.UNFOLD is a three-dimensional graphical environment that allows to import parts designed in any CAD and obtain automatically a plane development. Libellula.UNFOLD is a simple, intuitive and fast system. Maximum efficiency at your service.

Stand-alone operation.
Libellula.UNFOLD is independent, should not be used together with other software and it is able to adapt 3D drawings without the use of a CAD

干涉

Libellula[UNFOLDER]自动识别组件的任何元素(零件), 并自动生成展开图.

如果零件用别的3D软件设计, 并没有明确加工方 式, 用户可以根据实际拆分.

Interventions.
Libellula.UNFOLD automatically recognizes the single elements of an assembled, allowing to develop all automatically.
If the particular designed in 3D can't be manufactured in a single particular, the user can separate it according to their needs.

厂商 Manufacturer	文件格式 File Format
IGES	*.igs; *.iges
STEP	*.stp; *.step

厂商 Manufacturer	文件格式 File Format
ACIS	*.sat; *.sab; *.asat; *.asab
SOLIDWORKS	*.sldprt; *.sldasm
INVENTOR	*.ipt; *.iam
UG/NX	*.prt
PRO/ENGINEER	*.prt; *.asm
CATIA V4	*.model; *.exp;
CATIA V5	*.CATPart; *.CATProduct

Libellula[UNFOLDER]输出的文件格式.
File formats exported by Libellula.UNFOLD

厂商 Manufacturer	产品 Product
S.I. Engineering	SI[CAM]
S.I. Engineering	Libellula
Cybelec	CyCad
Trumpf	TruTopBend
Delem	VBend
Robosoft	PartManager
Erxa	RoboWave bending
LVD	CadmanB
Amada	Pbs

Libellula.UNFOLD

效率最高, 操作非常简便

Maximum efficiency, extreme simplicity
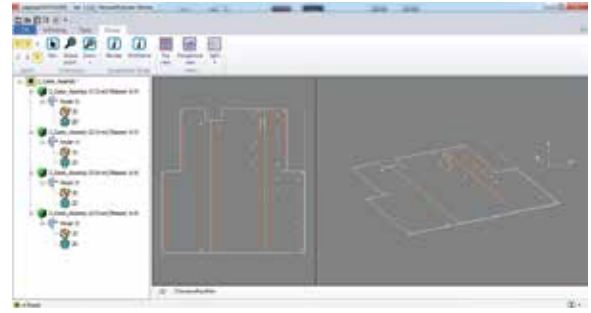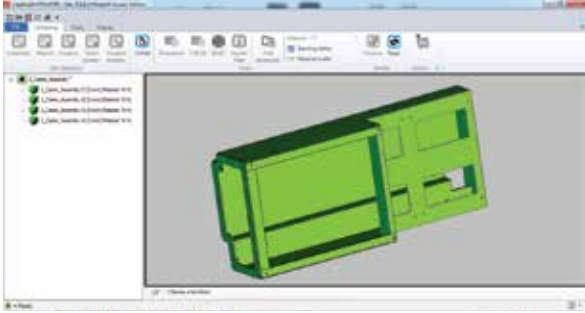
非常简便.

Libellula.UNFOLD非常人性化, 也很简便. 作业员选择操作/更改, 系统自动快速.
可以导入包含很多零件的组件, 系统支持一次点击展开一个零件.

极致快捷, 无需培训.

Libellula.UNFOLD导入器能识别(3D 零件或组件)的技术参数(厚度,折弯线 等), 转换他们, 并自动展开.
使用Libellula.UNFOLD无需特殊知识以及培训.

节省时间

自动计算展开, 无需额外培训, 减少了工时大大提高了效率.

Maximum simplicity.

Libellula.UNFOLD ensures maximum flexibility and simplicity in the applications. The operator selects the operation and the modifications, the system calculates them quickly.
It is also possible to import the assembled files with more internal components: the system allows the unfolding of single parts.
All in 1 click.

Extremely fast and Zero training.

Libellula.UNFOLD imports (3D or "assembled" files), recognizes technical parameters of imported project (thickness,bending lines, etc...) and converts it to a flat development with only 1 click.
No specific knowledge is required to use Libellula.UNFOLD.
Finally, a software zero training.

Time saving.

The automatic calculations of the system, together with the not required additional training, allow to reduce the working times and increase the efficiency. An important advantage in this context

绝对人性化, 简便且强大编辑

识 别 出 导 入 零 件 参 数 后 , 你 可 以 通 过 Libellula.UNFOLD 添加或编辑

- 雕刻
- 尖角倒钝
- 开槽
- 突变边缘
- 折弯半径
- 虚标注
- 折弯角度
- 各条折弯线的不同参数
- 厚度
- 材料收缩

系统自动重新计算展开, 并能以2D/3D预览 /展示

展开方式的多种选择

用户可以根据实际需要选择展开方式
展开方式如下：
    理论(中性面)
    经验表格
    二次曲线的运算法则
    完全几何方式

Absolute flexibility with editing simple and powerful.

Thanks to the recognition of the technical parameters of imported part, with Libellula.UNFOLD you can edit and/or add:

    notching
    break edges
    breaking lines
    break corners
    bending radius
    hollow dimension of matrix
    bending angle
    different parameters for each bending line
    thickness
    material shrink

Maximum choice in methods development.

Thanks to Libellula.UNFOLD, the user is also able to choose the more suitable unfolding method in function of the project.
The unfolding methods are:
    theoretical
    experience tables
    algorithm for conic shape (neutral fibre)
    purely geometric
The system recalculates dynamically the development and it shows a preview of both 3D and 2D.

Sheet Metal Software

Industrial Automation solutions

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