

STRAIGHTENER 整平机

LFB / LFC / LFD

精密整平机

PRECISION STRAIGHTENER

支持最大材料宽度为~300mm, 板厚0.1~1.4mm的薄板精密整平机, 出色的矫正能力最适合各种精密零件的加工。

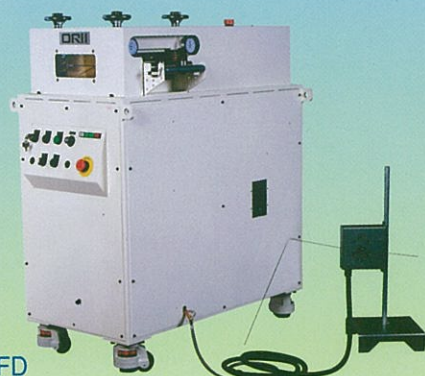
The LFB/LFC/LFD series offers a precision straightener that can process material width up to 300mm, and can be adjusted to handle stock thicknesses between 0.1 and 1.4mm. This is the optimum model for processing all kinds of precision components which require outstanding straightening performance.

型号 Model	板幅 (mm) Stock Width	板厚 (mm) Stock Thickness	工作滚轮直径 (mm) Work Roll Diameter	工作滚轮数 (支) Number of Work Rolls	辅助滚轮 Back Up Roll	矫正速度 (m/min) Line Speed	马达容量 (kw) Motor
LFB02/03	~200/300	0.1~1.4	Ø12	上11/下11	※1 4 Hi	5.0~30.0	1.5
LFC02/03	~200/300	0.1~1.4	Ø12	上11/下11	※1 4 Hi	5.0~30.0	1.5
LFD02/03	~200/300	0.1~1.4	Ø12	上11/下11	※2 6 Hi	5.0~30.0	1.5

※1 4 Hi: 只有辅助滚轮
※1 4 Hi: Only Back Up Roll

※2 6 Hi: 辅助滚轮 + 中间滚轮
※2 6 Hi: Back Up Roll + Middle Roll

LFB/LFC/LFD



矫正能力 Straightening Performance

板厚 (mm) Stock Thickness	0.1~0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4
板幅 (mm) Stock Width 02/03	200/300	200/262	200/210	172/173	145/146	125/125	109/108	96/95	85/84	76/75	69/68



给油装置 Oiling device



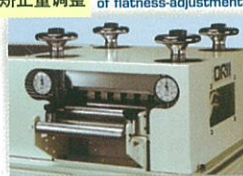
电动泵强制给油至工作滚轮

该装置减轻了维修保养的工作量, 支持机械最佳运转。剩余油量可目视确认, 并且容易补给。

An electromotive pump forces oil to the work rolls

This oiling device eliminates the need for troublesome maintenance work and supports the optimal operation of the leveler. The remaining quantity of oil can be checked at a glance, and oil can easily be added.

矫正量调整 Controlling the amount of flatness-adjustment



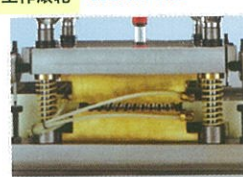
多个调节手柄使矫正量的调整变得很容易

通过调节手柄, 在机器的入口侧、出口侧、正面、背面均可以对矫正量进行调整, 非常便利。

The amount of flatness-adjustment can be easily controlled through the operation of handles

The amount of flatness-adjustment can be controlled not only at the inlet and outlet sides, but also at the back and front sides simply through the operation of handles.

工作滚轮 Work rolls



22根业界最小直径的工作滚轴, 确保加工精度

业界最小直径12mm的工作滚轮, 去除卷材的弯曲应力。可以矫正最大宽度300mm的薄板材料, 满足了日益增长的高精度部件的加工需求。

Precision machining using 22 work rolls with the thinnest diameter

22 work rolls with the thinnest diameter [Ø12mm] on the market remove residual stress. Wide sheet metals of up to 300mm in width can be handled, which satisfies the increasing demand for precision components machining.

移动装置 Caster base

作为标准装备的闭锁脚轮, 方便移动、固定带闭锁脚轮的移动装置, 使设备能够灵活放置, 方便布局。

A caster base with locking casters for easy movement and fixing is included as standard equipment

The caster base enables flexible setting of the leveler.

保持料环, 支持设备最佳运转

变频器运转总是与生产线速度保持高度一致。平稳的加减速减轻了材料及送料机等设备的负荷。正、逆运转可经由开关轻易转换。

The cam maintains the appropriate tension of the material and supports optimal operation

The leveler ensures that the inverter always operates optimally in accordance with the line speed. Smooth acceleration and deceleration reduces loads imposed on materials and equipment such as the feeder. Forward and backward operations can easily be changed simply by flicking a switch.

驱动装置 Drive unit

兼具高规格组件的驱动装置

驱动装置采用了传动功率高的油浴式齿轮箱和万向接头, 保证了设备机型小但规格高。变频控制使无级变速成为可能。

Drive unit with specifications of a higher-grade unit

The drive unit is compact but has the highest-level specifications such as superior electromotive efficiency, oil-bath type gearbox, and a universal joint. The inverter in the drive unit enables flexible speed change.

独创的天线式检测杆

可检测操作力10g的超轻量导体, 半导体薄板金属材料。此外, 独特的弯曲形状可以防止材料表面受其接触而擦伤。

Inventive antenna type detection bar

The ultra lightweight detection bar can be operated with only 10g of operation force and can detect both conductive and non-conductive thin sheet metal. Furthermore, a unique curved shape prevents scratches on the material surface for worryless operation.

Detection by a lightweight cam

轻量凸轮检测

