



中文 | ENGLISH

**测速发电机 TDP**  
用于重载制工业传动

**Tacho generators TDP**  
For industrial drives in heavy-duty applications



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### 精确、优势、关注客户

我们专注于技术— 我们了解我们的客户。我们坚定的站在客户一边为其提供特殊的设想、定制的解决方案。为了支持我们的客户，我们提供了强大的编码器系统、强大的传动技术和全球化的服务。我们将与我们的客户一起克服在重工业领域或其它极其恶劣条件领域的巨大的挑战，继而不断的增进客户的业务。你有什么挑战？

### 我们的应用领域：

- 金属及轧制技术
- 港口和起重机技术
- 矿山工业
- 石油和天然气工业
- 运输
- 海洋工程
- 发电行业
- 其它应用领域

### Precision. Strength. Customer focused.

We are fascinated by technology – and we understand our customers. We stand firmly at your side with exceptional ideas and tailor-made solutions; to support our customers we offer robust encoder systems, powerful drive technology and a worldwide service. That is how we overcome together with our customers the huge challenges in heavy industry and other fields subject to harsh conditions to sustainably improve their business. What challenges do you have?

### Our fields of applications:

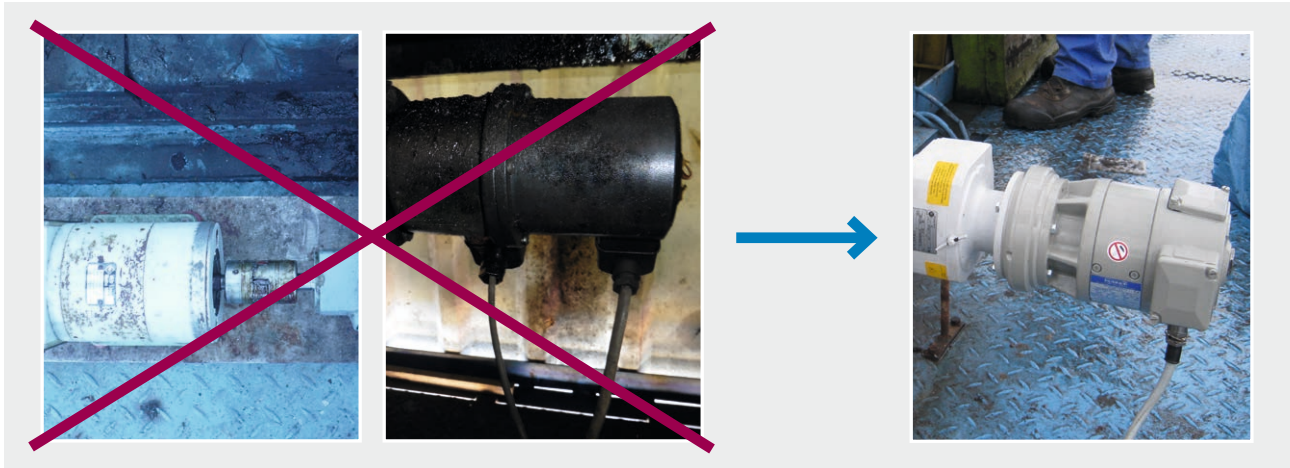
- Metal and rolling mill technology
- Harbour and crane technology
- Mining industry
- Oil and gas industry
- Transport
- Marine engineering
- Power generation
- ... and many other applications

## Johannes Hübner Giessen 突出优势

## Outstanding strengths of Johannes Hübner Giessen

### 更换 1:1 第三方制造商的测速发电机 (相同系列)

### Replace 1:1 tacho generators from third-party manufacturers (equivalent series)



- 特殊尺寸的测速发电机和定制法兰及轴的制造
- 正确的电压规格以适应各自不同的应用
- 极低的谐波含量，极低的线性误差和温度漂移
- 防护等级可达到 IP66

- Manufacture of specially dimensioned tacho generators and customized flanges and shafts
- The right voltage version to suit the respective application
- Very low harmonic content, very low linearity error and temperature drift
- Available degree of protection: up to IP66

### 测速发电机

#### 速度感应

- 高精度线性度 10 – 500 V / 1000 rpm (0,4 – 100 W)
- 实心轴设计用于法兰和底脚安装
- 空心轴设计 (A4 或空心轴测速机)
- 可选项：双系统或与编码器 / 超速开关组合

测速发电机是用于仪表和控制技术的模拟传感器。这些永磁激励的发电机的任务是将驱动它们的速度转换成与该速度成正比的电压。

### Tacho generators

#### Speed sensing

- High accurate linearity 10 – 500 V / 1000 rpm (0.4 – 100 W)
- Solid shaft designs for flange and foot mounting
- Hollow shaft designs (A4 or hollow shaft type tacho)
- Options: two systems or combination with encoder / overspeed switch

Tacho generators are analog transducers for instrumentation and control technology. The task of these permanently excited generators is to convert the speed with which they are driven to a voltage proportional to that speed.



## 直流测速发电机（实心轴） DC tacho generators (solid shaft)

联轴器安装的实心轴装置 / Solid shaft device for mounting with coupling					
型号 Type	速度 Speed [rpm]	功率 Power [W]	电压 (DC) Voltage (DC) [V]	最大电流 (DC) Current (DC) max. [mA]	最大速度 Speed max. [rpm]
TDP 0,7	1000	0.9	10 ⋮ 80	90 ⋮ 11	9000 ⋮ 3125
TDP 0,7 SE	1000	4	33 ⋮ 200	120 ⋮ 20	9000 ⋮ 2700
TDPS 1,2	1000	15	6 ⋮ 280	2540 ⋮ 54	6000 ⋮ 1430
TDP 1,2	1000	25	10 ⋮ 280	2300 ⋮ 90	6000 ⋮ 1430
TDPL 1,2	1000	50	45 ⋮ 500	1110 ⋮ 100	6000 ⋮ 800
TDP 1,7	1000	50	50 ⋮ 1000	1000 ⋮ 50	4000 ⋮ 500
TDPL 1,7	1000	100	150 ⋮ 1000	667 ⋮ 500	3350 ⋮ 500

### 典型应用:

低速运行的直流驱动器 100 kW – 20 MW，例如：  
轧钢厂、矿山、海洋工程

### Typical applications:

DC drives 100 kW – 20 MW operating at lower speeds, e.g. in  
rolling mills, mining, marine engineering



TDP 0,7 系列 / Series TDP 0,7



TDP 1,2 系列 / Series TDP 1,2

## 直流测速发电机（空心轴） DC tachogenerators (hollow shaft)

### 空心轴 (A4 设计) / Hollow shaft device (A4 design)

型号 Type	速度 Speed [rpm]	功率 Power [W]	电压 (DC) Voltage (DC) [V]	最大电流 (DC) Current (DC) max. [mA]	最大速度 Speed max. [rpm]
TDP 439 H	1000	0.4	10 ⋮ 60	40 ⋮ 7	9000 ⋮ 4000
TDPL 439 H	1000	0.8	80 ⋮ 120	10 ⋮ 7	3000 ⋮ 2000



#### 典型应用:

频繁换向负载的直流驱动，例如挤出机驱动装置、搅拌机驱动装置

#### Typical applications:

DC drives for highly dynamic reversing duty, for example extruder drives, agitator drives

TDP 439 H 系列 / Series TDP 439 H

### 集成轴承的空心轴装置；扭矩支架固定壳体 Hollow shaft device with integrated bearings; housing fixed with torque bracket

型号 Type	速度 Speed [rpm]	功率 Power [W]	电压 (DC) Voltage (DC) [V]	最大电流 (DC) Current (DC) max. [mA]	最大速度 Speed max. [rpm]
TDPH 439 H	1000	0.4	10 ⋮ 60	40 ⋮ 7	4000
TDPLH 439 H	1000	0.8	80 ⋮ 120	10 ⋮ 7	3000 ⋮ 2000



#### 典型应用:

带实际值传感器的三相驱动，例如：输送带驱动、带速度控制器的风扇

#### Typical applications:

Three-phase drives with actual value sensor, e.g. conveyor drives, fans with speed controller

TDPH 439 H 系列 / Series TDPH 439 H

## 带整流器的三相测速发电机 Three-phase tacho generators with rectifier

### 联轴器安装的实心轴装置 / Solid shaft device for mounting with coupling

型号 Type	速度 Speed [rpm]	功率 Power [W]	电压 (DC) Voltage (DC) [V]	最大电流 (DC) Current (DC) max. [mA]	最大速度 Speed max. [rpm]
GDDP 0,3/4	1000	5	45	111	6000
			200	25	3000
GDDP 0,4/4	1000	8	45	177	6000
			200	40	3000
MGDDP 3,4/20	1000	10	45	222	6000
			200	50	3000



MGDDP 3,4./20 系列 / Series MGDDP 3,4./20

#### 典型应用:

驱动器/受高温波动和高湿度（水蒸气）影响的区域，例如：造纸工业/滚筒的潮湿区域，生产玻璃纤维垫

#### Typical applications:

Drives / areas subject to high temperature fluctuations and high levels of humidity (water vapour), e.g. paper industry / roller drives in wet areas, production of glass-fiber mats

为各种应用量身定制的测速发电机解决方案。

Tailor-made tacho generator solutions for various applications.



**Johannes Hübner**

Fabrik elektrischer Maschinen GmbH  
Siemensstrasse 7  
35394 Giessen  
Germany  
Tel./Phone: +49 641 7969-0  
Fax: +49 641 73645  
E-mail: info@huebner-giessen.com  
www.huebner-giessen.com

**中国代理:**

鞍山维盛自动化科技有限公司  
地址: 辽宁省鞍山市高新区千山中路 153 号  
鞍山软件园二期三楼  
总机: 0412-5223868  
手机: 13941248798/13504120338  
传真: 0412-5214675  
E-mail: info@aswisdom.com  
网址: www.aswisdom.com



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