PLots for Existing SR and MRR Values
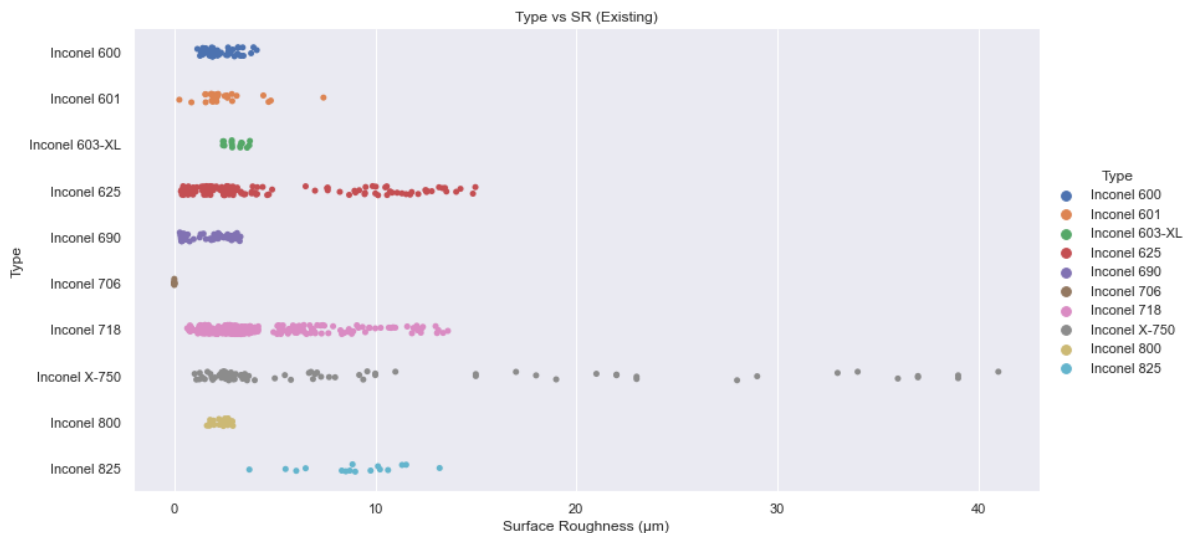
In [1]:
```python
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
```

In [2]:
```python
data = pd.read_excel("Inconel_Compiled_Data_New_elems.xlsx")
```

In [3]:
```python
sns.set(style="ticks")
sns.set_style("darkgrid")

s= sns.catplot(data = data, x = "Surface Roughness (µm)",
               y = "Type",
               hue = "Type",
               aspect= 2,
               height = 6).set(title = 'Type vs SR (Existing)')

s.savefig("Type_vs_SR_(Existing).jpg")
```


In [4]:
```python
s= sns.catplot(data = data, x = "MRR (mm3/min)",
               y = "Type",
               hue = "Type",
               aspect= 2,
               height = 6).set(title = 'Type vs MRR (Existing) on Log Scale')
plt.xscale('log')

s.savefig("Type_vs_MRR_(Existing)_log_scale.jpg")
```

Type vs MRR (Existing) on Log Scale